Environment Canada Environnement Canada

D0503900 DEST PVM EXCH COPY 03
TP 360 E5713
VOL ISS 238
ENFOR PROJECT P

ENFOR Project P-238

Trial Conversion of Conventional Inventory Data to Biomass Data in New Brunswick

by

D. Fowler

Contractor's Final Report[1]

DSS Contract File Number 10SC.KH209-2-0121

ENFOR Project P-238

Trial Conversion of Conventional Inventory Data to Biomass Data in New Brunswick

by

D. Fowler

Contractor:
New Brunswick Department of Natural Resources
Forest Management Branch
Fredericton, N.B.

Scientific Authority:
G.D. van Raalte
Canadian Forestry Service
Maritimes Forest Research Centre
Fredericton, N.B.
E3B 5P7

[1]This report has been reviewed by the Canadian Forestry Service and approved for distribution. Approval does not necessarily signify that the contents reflect the views and policies of the Canadian Forestry Service. Mention of trade names or commercial products does not constitute recommendation of endorsement for use.

August 1983

TABLE OF CONTENTS

	PAGE
ABSTRACT	i
FOREWORD	ii
INTRODUCTION	1
BIOMASS EQUATIONS	3
N.B. VOLUME INVENTORY	7
METHODOLOGY	8
FIRST APPROACH	8
SECOND APPROACH	9
Average Stand Table	9
Biomass Programs	12
MISSING DATA	15
RESULTS AND DISCUSSION	17
LITERATURE CITED	20
APPENDICES	21

ABSTRACT

Biomass equations developed by the Canadian Forestry Service for 17 Maritime tree species were incorporated into New Brunswick's existing volume inventory handling computer software. This software was then used to provide biomass estimates for a pilot area of approximately 1.24 million hectares in the northwest corner of N.B. The software developed for this pilot project will be used in part to convert the New Brunswick volumetric inventory to a biomass inventory.

FOREWORD

ENFOR is the bilingual acronym for the Canadian Forestry Service's ENergy from FORest (ENergie de La FORêt) program of research and development aimed at securing the knowledge and technical competence to facilitate in the medium to long term a greatly increased contribution from forest biomass to our nation's primary energy production. This program is part of a much larger federal government initiative to promote the development and use of renewable energy as a means of reducing our dependence on petroleum and other non-renewable energy sources.

ENFOR projects are selected from among proposals submitted by private and public research organizations according to scientific and technical merit, in the light of program objectives and priorities. Regardless of proposal source, projects are carried out primarily by contract. For further information on the ENFOR program, contact.....

ENFOR Secretariat
Canadian Forestry Service
Department of the Environment
Ottawa, Ontario
K1A 1G5

or

the Director of the establishment issuing the report.

This report was prepared by the Nova Scotia Department of Lands and Forests under contract number OSC82-00141.

INTRODUCTION

The New Brunswick Forest Biomass Inventory pilot project is one of several regional pilot biomass studies begun in 3 of the 12 provinces and territories in 1982. According to Hopwood (1982), the objectives of these studies are to "demonstrate and develop techniques for the conversion of conventional (volume) forest inventory data to a mass basis, estimate costs and time required to implement full conversion, and develop methods for including uninventoried portions of the total forest profile...."

In the N.B. project, the focus has been on modifying existing volume inventory handling computer programs by incorporating into them biomass equations provided by the Canadian Forestry Service. The province is divided by the Department of Natural Resources into 5 administrative districts called Resource Regions, with Resource Region 5, in the northwestern corner of N.B., being chosen as the pilot study area (FIGURE 1).

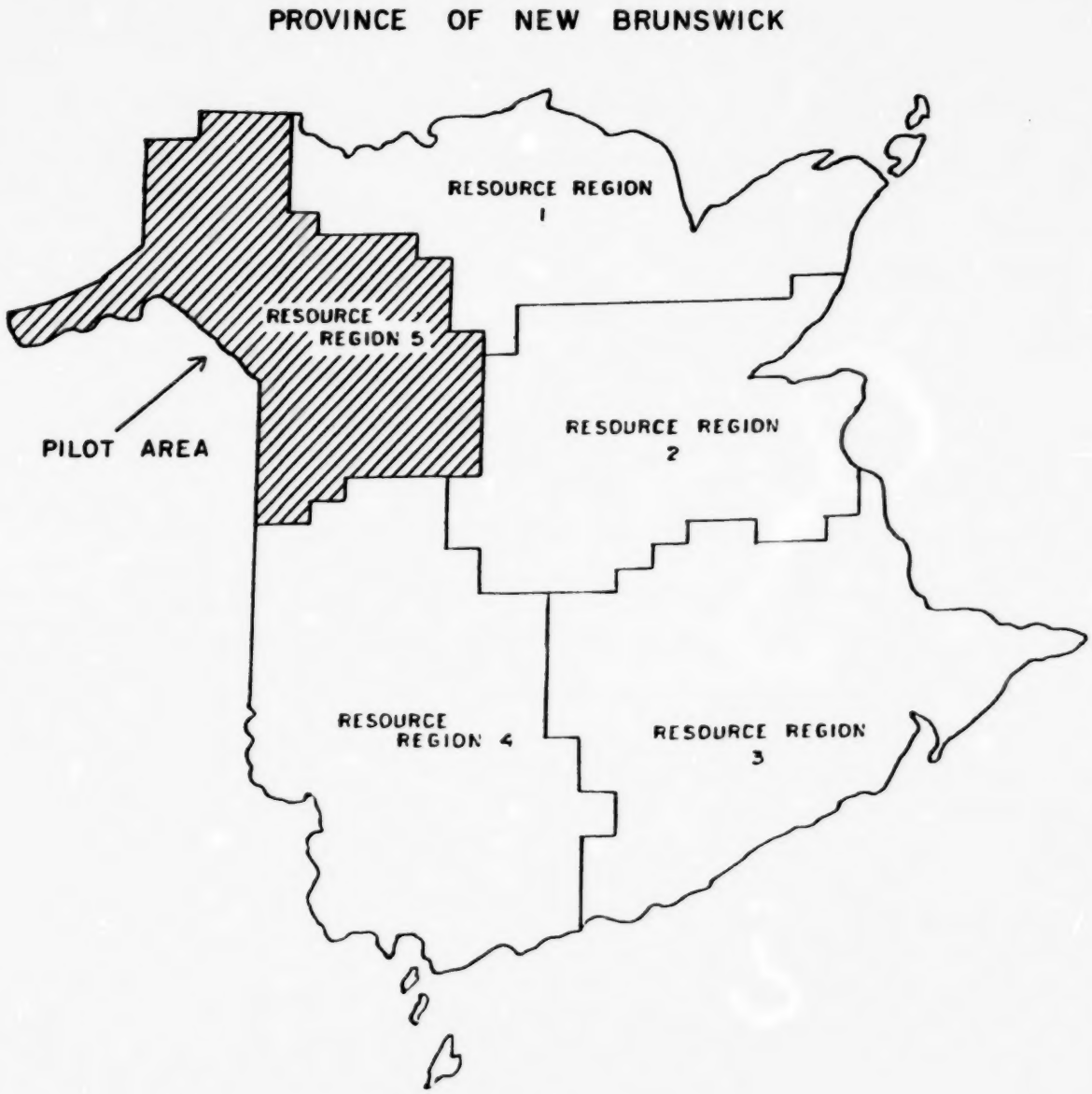

FIGURE 1. Resource Region 5 was chosen as the pilot study area for this first biomass project. Region 5 covers an area of approximately 1.24 million hectares (3.06 million acres)(N.B. Forest Inventory, 1981).

BIOMASS EQUATIONS

The basis for a modification of the N.B. forest inventory system to produce estimates of biomass is the set of biomass equations derived by MF. Ker of the Maritime Forest Research Centre. For each species, there are 12 sets of equations corresponding to the 12 recognized biomass components (Table 1). For each component, there are two, sometimes three equations presented in the reports by Ker (1980 A & B). The first equation has diameter (breast height) as the only variable, while the second includes both diameter and height. The third equation, if present, involves as variables diameter as well as some expression of crown character (crown length, width, or volume).

TABLE 1. Components for which biomass equations are currently available.

1. Oven-dry stem wood
2. Oven-dry stem bark
3. Oven-dry stem
4. Oven-dry branches
5. Oven-dry foliage
6. Oven-dry crown
7. Oven-dry total
8. Fresh stem wood
9. Fresh stem bark
10. Fresh stem
11. Fresh crown
12. Fresh total

Since the N.B. inventory cruise tally includes no information on crown dimensions, use of the third type of equation was not feasible. Due to

the fact the N.B. inventory has limited information on tree heights, an attempt was made to calculate individual tree heights from average height/diameter curves for the main species.

A comparison of the results obtained from the biomass equations using both dbh and height with those from equations using dbh only showed that little difference existed between the two sets of results. Since, height was being found from equations which may or may not have been accurate in hopes of achieving a more accurate biomass estimate, it was decided that the diameter only equation should be used, as there was no way of readily determining whether the calculated height was improving or degrading the overall accuracy of the estimates.

Equations are currently available for 17 Maritime tree species. Equations for seven species were derived from sampling in southerwestern New Brunswick, while the other 10 originated from sampling in Cumberland County, Nova Scotia (M.F. Ker, 1980A & B).

The N.B. Department of Natural Resources, in its volume inventory, recognizes 19 tree species and one "other hardwood" (OHW) classification (Table 2). species for which no equations were available are ironwood, and elm. As these species, occur in quantities too great to ignore, it was decided to use equations or other species with similar form in arriving at biomass estimates for the two. Ironwood was assigned the white ash equation. Elm, which has a very unique form, was arbitrarily

assigned the ash equation. Being a bottomland species, elm is rarely encountered in forest condtions and thus rarely appears in cruise tally data. Since most off the OHW tallied in N.B. is grey birch, the grey birch set of equations from Nova Scotia was chosen to represent that classification.

TABLE 2. List of species recognized by the N.B. Forest Inventory (N.B. or N.S. indicates the province in which sampling was done to produce the biomass equations for that species.)

Common Name	(Genus and Species)	Sampled In
1. Black Spruce	(Picea mariana (Mill.) B.S.P.)	N.S.
2. White Spruce	(Picea glauca (Moench) Voss)	N.S.
3. Red Spruce	(Picea rubens Sarg.)	N.S.
4. Balsam Fir	(Abies balsamea (L.) Mill.)	N.S.
5. White Pine	(Pinus strobus L.)	N.B.
6. Jack Pine	(Pinus banksiana Lamb.)	N.S.
7. Red Pine	(Pinus resinosa Ait.)	N.S.
8. Eastern Cedar	(Thuja occidentalis L.)	N.B.
9. Eastern Hemlock	(Tsuga canandesis (L.) Carr.)	N.B.
10. Tamarack-Larch	(Larix laricinia (Du Roi) K. Koch)	N.S.
11. Red Maple	(Acer rubrum L.)	N.S.
12. Sugar Maple	(Acer saccharum Marsh.)	N.B.
13. Yellow Birch	(Betula alleghaniensis Britton)	N.B.
14. White Birch	(Betula papyrifera Marsh.)	N.S.
15. Poplar-Trembling Aspen	(Populus tremuloides Michx.)	N.S.
-Largetooth Aspen	(Populus grandidentata Michx.)	
-Balsam Poplar	(Populus balsamifera L.)	
16. Beech	(Fagus grandifolia Ehrh.)	N.B.
17. Ash-White Ash	(Fraxinus americana L.)	N.B.
-Black Ash	(Fraxinus nigra Marsh.)	
18. Ironwood	(Ostrya nirginiana (Mill.)K. Koch)	use Ash
19. Elm	(Ulmus americana L.)	use Ash
20. OHW-Grey Birch	(Betula populifolia Marsh.)	N.S.

There are no equations for dead or cull trees, and it would be incorrect to apply live tree equations, due to mass loss caused by

fungal and insect attack. For this reason, dead and cull material have been excluded from the biomass inventory.

The original project proposal had called for biomass estimates of fruit and dead branches. Later, it was decided by C.F.S. to include fruit in to the foliage component, and to dispense with dead branches entirely. The biomass components that were included are oven-dry stem wood, stem bark, stem, branches, foliage, crown, total, and fresh stem wood, stem bark, stem, crown, and total. Biomass equations exist for each component, for each species sampled. It was decided however, that in order to maintain the continuity and additivity of the biomass output tables, only seven of the aforementioned components would be calculated directly from the equations. The remainder of the component values were arrived at by the addition of two or more other components. Thus oven-dry stem is found by adding oven-dry wood and oven-dry stem bark. In the final output, some of the components will be further broken down into merchantable and non-merchantable portions (stumps and tops). This breakdown will be accomplished through the use of ratios to be provided by C.F.S.

N.B. VOLUME INVENTORY

The N.B. Forest (volume) Inventory, completed and published in 1981, was based on the measurement of 1500 permanent sample plots established throughout the province. Sampling was carried out on a stratified random basis, each selected stand being sampled with 12 prism points (three permanent and nine temporary). (See APPENDIX I for a more complete explanation of the N.B. forest classification system.) On provincial crown land, an additional 2500 temporary sample plots were measured to provide the Department of Natural Resources with additional information necessary for the management of these lands.

The data from the field measurements were keypunched and stored on tape for manipulation by a UNIVAC Fortran program. This program read the data files and produced stand and stock tables in metric units for each of the ground samples. The results were also written to files for later use with other programs to produce the volume summaries for Resource Regions and the Province that appear in the 1981 report (N.B. Forest Inventory, 1981). The stand tables were later used in the biomass inventory.

METHODOLOGY

FIRST APPROACH

Initially, it was considered that the best approach to producing biomass estimates for the pilot area would be to use the first volume inventory program as a vehicle for the application of the biomass equations to the tally data. Some work was done with that modification but it was found to be time consuming to do biomass calculations on a stand by stand basis. Two other problems with this approach were 1) the program was becoming too large to operate within the computer workspace limitations, and 2) it was apparent that the program would be extremely inefficient to use for large areas as it would require going back to the tally data each time a report was to be produced.

Although this method was abondoned, the early attempt was useful in that it provided a way of verifying some of the estimates produced through the use of the equations. The first volume inventory program, and then the modified version including the biomass equations were run on the same test tally data. The volume output values were multiplied by the spcific gravities (green and oven-dry) for each species, and the outcomes compared with estimates from the biomass equations. In most cases, the results comapred quite favourably. Tests were carried out also with the first program to try to determine which of the two types of biomass equations, dbh only, or dbh and height, would best suit the project's needs. As previously stated, the dbh only equations were chosen. Thus, the first approach of modifying the tally manipulation

program to produce biomass estimates was not a total loss, as it provided a starting point that lead to a more feasible means of solving the problem.

SECOND APPROACH

Average Stand Table

Because of the problem with workspace limitations and time involved in starting with tally data each time a report was to be produced, it was decided to divide the overall job into steps. The first step in the new approach involved creation of an average stand table for an entire Resource Region from stand tables already produced by the inventory program and from tally data of areas for which no stand tables were available. Use of the previously produced stand tables involved a drawback, in that all trees of less than 10 cm dbh were grouped in the 2-10 cm class. By going back to the tally data and running the original biomass program, it was possible to determine how much biomass existed in each dbh class in the 2-10 cm range, and to calculate a total biomass value over that range. The next step was to assign the total tally for 2-10 cm into one dbh class and rerun the program. It was found by trial and error that the 6 cm diameter class represented the best average dbh for the trees grouped into the 2-10 cm class in the previously produced stand tables. Therefore, when the stand tables were ready by the program to produce the average stand table, the first tree per hectare value was

placed into the array positon corresponding to the 6 cm dbh class. The remaining values in each record were read into positions corresponding to dbh classes 12 to 46.

Since stand tables were available for provincial crown land only, it was necessary to create stand tables for large and small freehold land from tally data. The program to produce average stand tables begins by reading and accumulating, by dbh class, species, stratum, and ownership, all of the available stand tables for the Resource Region. It then reads tally data for privately held land and produces more stand tables which are accumulated with the previously produced stand tables. While the accumulation is taking place, a counter array records the number of occurrences of each stratum-ownership combination. Finally, after all the data have been read and all the accumulations completed, the average stand tables is produced by dividing the values within the accumulated stand table stored by stratum-ownership combination by the number of occurrences of that combination. The average stand table is then written to a sequential data file for use by the next program (FIGURE 2).

The main advantage of using an average stand table as a starting point is that the actual tally data and stand tables (up to 50,000 records) needs to be read only once. The average stand table, as it appears in the data file ready for use by the biomass programs occupies only about 1500 records.

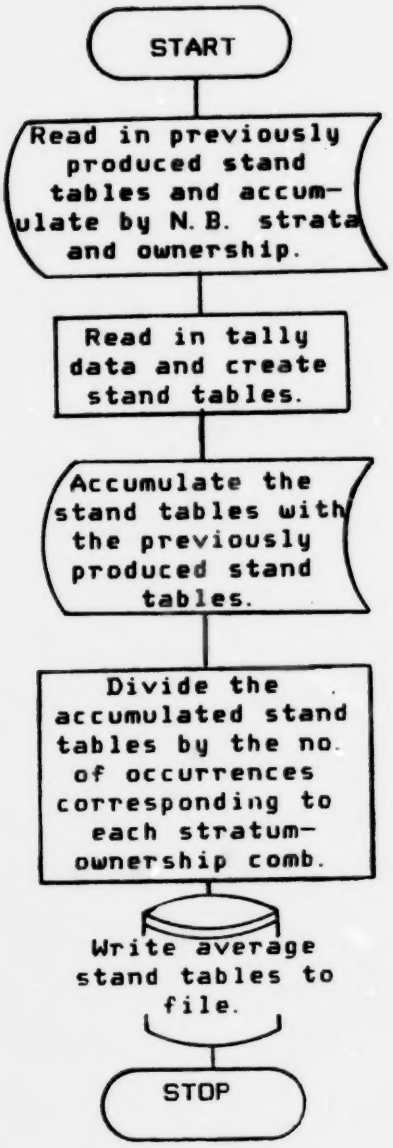
START
Read in previously produced stand tables and accum-ulate by N.B. strata and ownership.
Read in tally data and create stand tables.
Accumulate the stand tables with the previously produced stand tables.
Divide the accumulated stand tables by the no. of occurrences corresponding to each stratum-ownership comb.
Write average stand tables to file.
STOP

FIGURE 2. condensed version of a flowchart to illustrate the processes involved in the program to produce an average stand table.

Biomass Programs

After the stand table was produced for Resource Region 5, it was available for use by two different sets of biomass programs. One of the programs produces biomass per unit area estiamtes in the federal C.F.R.D.S. format. The final output from this program will be stored on tape for transfer to Petawawa for use in the National Biomass Inventory.

The other program to use the average stand table is actually part of a set of two programs linked by permanent direct access files. The two programs are to be used by the province to produce biomass estimates for areas as small as a single mapsheet, up to areas as large as a Resource Region, but does not allow for partial mapsheets. The N.B. map is covered by a north-south oriented grid that divides the province up into 686 mapsheets, each covering an area of approximately 112.86 square kilometres. The first program in the sub-set is sued to creaste the required biomass summaries in the form of permanent direct access files, while the second program reads these files and produces the printed output with totals, groupings, and other options chosen by the user. this set of programs is actually a heavily modified version of the second volume inventory program written by to produce volume summaries for larger areas of the province.

The original reason for breaking the provincial biomass program into two parts was that the UNIVAC workspace limitations would not allow the

job to be done in one step. It is easy to see how quickly a program can overload a workspace considering that one real array defined by 23 dbh classes, 20 species, 4 covertypes, 4 maturity groups, 5 volume classes, 3 ownerships, and 12 biomass components can occupy over 1.3 million words of memory. It later became apparent that this split was advantageous in that those summaries produced by the first program and placed in permanent direct access filed could be read and reread by the second program allowing the user to do several runs choosing different diameter groupings and types of summaries each time.

Both the C.F.R.D.S. and the provincial programs in involve the use of the average stand table. The C.F.R.D.S. program reads in the average stand table and applies biomass equations to produce an average biomass table. A computerized mapsheet area summary is then applied to this table to produce biomass estimates for the areas chosen (FIGURE 3).

The C.F.R.D.S. program is by far the simplest, as it handles each mapsheet separately and is capable of producing only one type of output. The provincial program, conversely, is quite complicated in that it must be able to handle any number of mapsheets at one time, any combination of ownerships, and produce any or all of the 6 summaries possible. Because of the complexity, and thus array sizes, the program relies very heavily on the use of direct access files. Extensive use of these files results in a heavy consumption of input/output time. The advantage however, is that enormous amounts of data can be compiled and summarized many different ways by the programs for a very small fraction of the cost that would be required to do the same work manually.

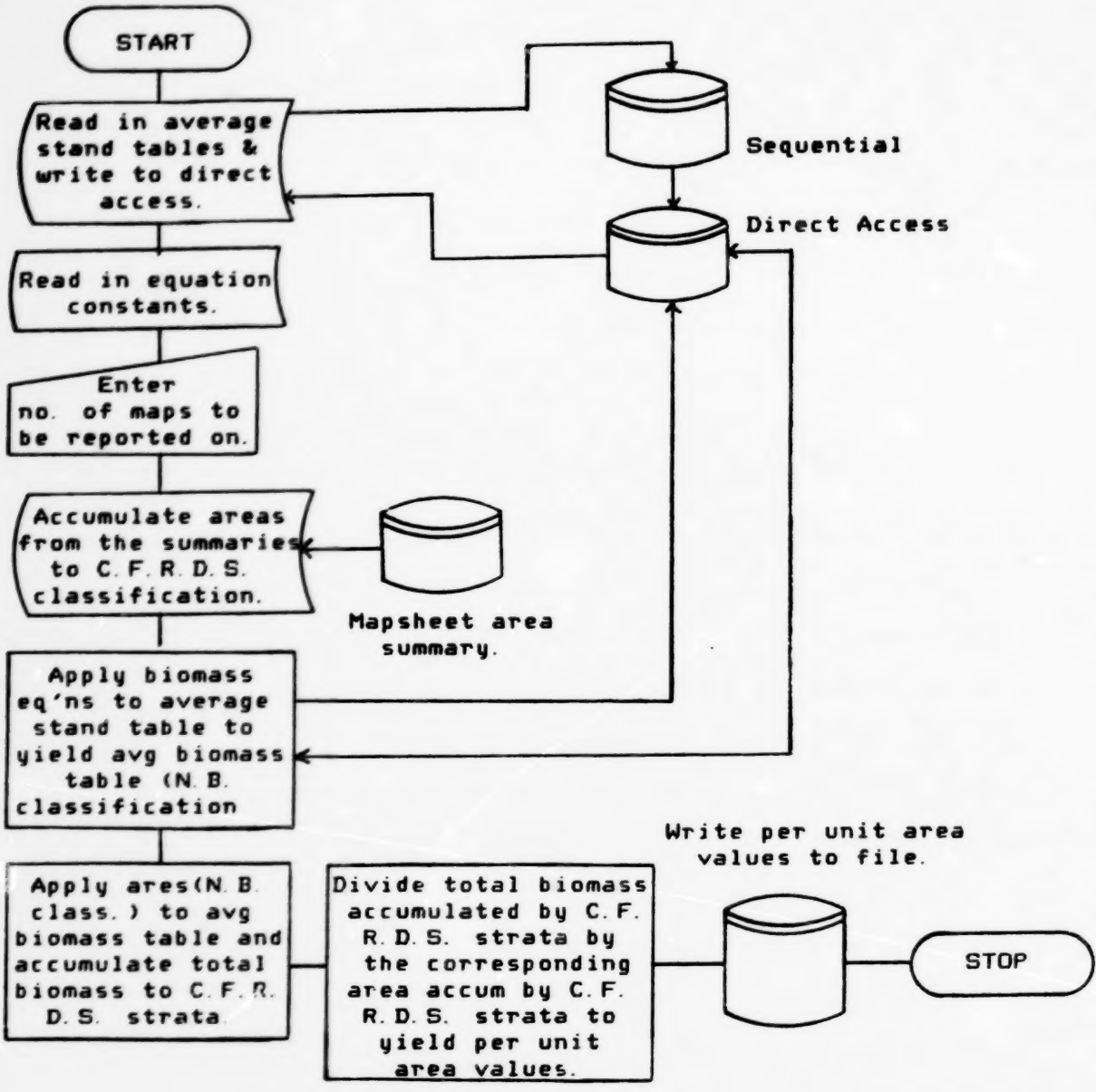
START
Read in average stand tables & write to direct access.
Sequential
Direct Access
Read in equation constants.
Enter no. of maps to be reported on.
Accumulate areas from the summaries to C.F.R.D.S. classification.
Mapsheet area summary.
Apply biomass eq'ns to average stand table to yield avg biomass table (N.B. classification
Write per unit area values to file.
Apply ares(N.B. class.) to avg biomass table and accumulate total biomass to C.F.R.D.S. strata
Divide total biomass accumulated by C.F.R.D.S. strata by the corresponding area accum by C.F.R.D.S. strata to yield per unit area values.
STOP

FIGURE 3. Condensed version of a flowchart to illustrate the processes involved in the program to produce biomass estimates in the C.F.R.D.S. classification.

MISSING DATA

Within the N.B. forest strata classification system, there are several stand types which occupy only a very small percentage of the total area covered by a mapsheet. These strata have often been left out of the inventory cruise because they were considered insignificant. However, these strata do contain a certain amount of volume and thus biomass. To fill in these gaps in the volume inventory, stand tables were produced for these areas from tally data from anywhere in the province that these stand types happened to have been sampled. For the biomass inventory, this collection of stand talbes was included with the other previously produced stand tables in the creation of the average stand table. Later, when the average stand table was applied to the area summary, these strata were then represented in the average stand table if the areas for the strata were greater than zero.

Regeneration less than 1.3 metres in height, shrubs, and ground vegetation were not included in the N.B. forest inventory, and thus no information on these biomass sources is presently available. For this reason, these sources have been excluded from this first biomass inventory. In the summer of 1982, the N.B. Department of Natural Resources purchased equipment and hired personnel to begin a complete remapping program of the province, known as the Geographical Information System (G.I.S.). Maps produced by this system will include classifications such as agricultural, alder-water, alder-field, regeneration, and cuts with residual volume as well as the forest strata

currently available. It will then be possible to carry out sampling on these new strata and then include biomass estimates from these sources into the overall inventory. Unfortunately, it will be approximately five years before the entire province will be covered by the G.I.S. mapping program.

As previously stated, it is not yet possible to break the forest biomass output down into merchantable and non-merchantable portions, but when the ratios become available, this will no longer be a problem. It may however, prove to be impractical to express values for stump biomass, as in this part of the country, stumps are usually cut extremely low, and the biomass left behind would probably be insignificant and extremely difficult to harvest.

RESULTS AND DISCUSSION

Biomass estimates for the entire study area (Resource Region 5) are summarized in TABLE 3, and presented in detail in APPENDIX II. The output presented has been produced by the provincial biomass program.

TABLE 3. Summary for total biomass values for N.B. Resource Region 5.

RESOURCE REGION 5

Component	Million Tonnes	Component	Million Tonnes
Oven-dry stem wood	34.326	Fresh stem wood	64.672
Oven-dry stem bark	5.236	Fresh stem bark	9.811
Oven-dry stem	39.565	Fresh stem	74.487
Oven-dry branches	9.141		
Oven-dry foliage	3.808		
Oven-dry crown	12.973	Fresh crown	26.984
Oven-dry total	48.975	Fresh total	101.468

The above estimates, while not completely agreeing with the values obtained from multiplying volume estimates from the 1981 provincial inventory, by the specific gravities of each species, are in the same gernal order to magnitude. The following example illustrates this point.

From N.B. Forest Inventory (1981), softwood gross merchantable volume = 74.40 million cubic metres.

From Panshin and Zeeuw (1970), average specific gravity (green) for bF, eH, wP, Ce, & Spruce = 0.350.

Therefore, density = 0.350 tonnes/cubic metre (green).

74.740 million m^3 * 0.350 tonnes/m^3 = 26.16 million tonnes.

From the FRESH STEM WOOD table of APPENDIX II, biomass was found to equal 37.69 million tonnes. The fact that the value calculated from the volume and specific gravity differs from the equation produced estimate by approximately 31 percent does not indicate that either the volume estimate, or the equation produced biomass estimate are wrong.

The calculation of biomass based on specific gravity can be used as an indicator of magnitude, but should not be accepted as the true value because of other variables that come into play. According to McElhanney and Associates (1935), balsam fir can undergo a tangential shrinkage of 7.5% and a radial shrinkage of 2.7% (longitudinal shrinkage = 0) leading to a decrease in volume of approximately 10% as moisture content is decreased from green to oven-dry. Density is variable over the drying process, as both mass and volume are decreasing at different rates. Also, the fact that the N.B. Forest Inventory (1981) report includes only gross merchantable volumes contributes to the underestimate of stem wood biomass from the specific gravity * volume method, as tops and all other material under 10 cm dbh have been excluded.

The values expressed in this report for Resource Region 5 should not be accepted as the complete truth for what actually exists in the pilot study area. These estimated do however, represent reasonable values which are the best that can be produced from the information available at this time. With better sampling information and a more detailed stratum classification system, it will be possible, in the future, to derive a more accurate estimate of New Brunswick's biomass resource.

LITERATURE CITED

Hopwood, W.A. 1982. Co-ordination of Biomass Estimation for Canada. T.M. Thomason and Associates Ltd., Victoria, B.C. (Unpublished). 11 p.

Ker, M.F. 1980A. Tree Biomass Equations for Seven Species in Southwestern New Brunswick. Maritimes Forest Research Centre, Fredericton, N.B. Information Report M-X-114. 18 p.

Ker, M.F. 1980B. Tree Biomass Equations for Ten Major Species in Cumberland County, Nova Scotia. Maritimes Forest Research Centre, Fredericton, N.B. Information Report X-M-108. 26 p.

McElhanney, T.A. and Associates. 1935. Canadian Woods Their Properties and Uses. J.O. Patenaude (Printer), Ottawa. 345 p.

Panshin, A.J. and C. Zeuw. 1970. Textbook of Wood Technology Volume 1. McGraw-Hill Book Company, Toronto, Ontario. 705 p.

Province of N.B. 1981. New Brunswick Forest Inventory. N.B. Department of Natural Resource. 141 p.

APPENDIX I

STRATA DESCRIPTION

COVER TYPE

S	More than 75% coniferous species by volume
SH	Between 50% and 75% coniferous species by volume
HS	Between 25% and 50% coniferous species by volume
H	Less than 25% coniferous species by volume

HEIGHT CLASS

1. 0-4 metres (0-13 feet)
2. 5-8 metres (14-26 feet)
3. 9-12 metres (27-39 feet)
4. 13-16 metres (40-52 feet)
5. 17 + metres (53 + feet)
6. Uneven height class

MATURITY GROUP

I	More than 70 m^3/ha (10 cu. per acre); most of the volume in the 26 + cm (10 + in.) DBH class
II	More than 35 m^3/ha (5 cu. per acre); most of the volume in the 16-24 cm (6-9 in.) DBH class
III	Less than 70 m^3/ha (10 cu. per acre); most of the volume in the 26 + cm (10 + in.) DBH class
IV	Less than 70 m^3/ha (10 cu. per acre); most of the volume in the 10-14 cm (4 and 5 in.) DBH class

VOLU

1	0-35 cubic metres per hectare (0-5 cu. per acre)
2	36-70 cubic metres per hectare (6-10 cu. per acre)
3	71-105 cubic metres per hectare (11-15 cu. per acre)
4	106-140 cubic metres per hectare (16-20 cu. per acre)
5	141 + cubic metres per hectare (21 + cu. per acre)

SPECIES ASSOCIATION

SF	Spruce and fir mixtures, more than 50% spruce
FS	Spruce and fir mixtures, more than 50% fir
WP	White pine
RP	Red pine
JP	Jack pine
EC	Cedar
EH	Hemlock
TL	Larch
TH	Tolerant hardwood - red maple, sugar maple, yellow birch, beech, etc.
IH	Intolerant hardwood - white birch and popular

EXAMPLE: FOREST STRATA FOR COVER TYPE

SI3, SI4, SI5
SII2, SII3, SII4, SII5 — Cover Type
SIII1, SIII2 — Maturity Group
SIV1, SIV2, SIV3 — Volume Class

Note: This classification is further broken down into 3 ownership types - Provincial Crown, Large Freehold, and Small Freehold. Federal Crown land has been excluded from the Provincial Biomass Inventory (Reproduced from New Brunswick Forest Inventory, 1981).

APPENDIX II

Total Biomass by Components

for Resource Region 5

New Brunswick

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM WOOD DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.132	.176	.157	.185	.206	.208	.209	.191	.166	.151	.135	.099	.093	.076	.068	.062	.262	2.476
RS	.057	.039	.058	.081	.093	.104	.106	.104	.096	.086	.078	.074	.056	.051	.039	.039	.173	1.334
WS	.124	.102	.139	.192	.218	.242	.251	.262	.210	.192	.183	.144	.145	.117	.096	.086	.264	2.945
BF	.769	.472	.837	1.022	1.074	.995	.871	.745	.588	.466	.347	.272	.210	.159	.112	.075	.183	9.217
WP	.002	.003	.001	.003	.004	.004	.008	.005	.007	.005	.008	.009	.007	.007	.012	.010	.176	.271
JP	.005	.001	.003	.004	.006	.006	.007	.009	.007	.006	.004	.002	.002	.002	.002	.001	.001	.063
RP	.001	.001	.000	.000	.000	.001	.001	.000	.000	.001	.000	.001	.002	.000	.000	.000	.008	.016
CC	.065	.047	.065	.075	.077	.094	.097	.104	.089	.087	.083	.076	.077	.065	.050	.051	.239	1.441
FH	.001	.001	.002	.002	.002	.002	.002	.003	.002	.003	.003	.002	.002	.002	.002	.001	.014	.047
YL	.001	.003	.006	.007	.008	.011	.011	.011	.011	.006	.006	.005	.003	.002	.001	.000	.002	.094
RM	.212	.123	.167	.168	.193	.154	.128	.124	.114	.088	.073	.059	.042	.043	.038	.023	.076	1.825
SM	.325	.207	.260	.252	.309	.282	.243	.303	.237	.223	.221	.215	.197	.203	.224	.184	1.873	5.758
YB	.134	.067	.102	.117	.139	.137	.123	.138	.146	.160	.159	.142	.147	.179	.141	.136	.903	3.070
WB	.242	.146	.213	.211	.209	.194	.156	.115	.102	.074	.074	.053	.047	.035	.025	.022	.079	1.997
A	.081	.074	.093	.106	.091	.109	.113	.112	.086	.082	.073	.052	.062	.041	.041	.027	.082	1.319
BE	.128	.101	.085	.092	.120	.117	.101	.113	.110	.116	.093	.101	.096	.098	.080	.083	.411	2.042
ASH	.022	.017	.018	.034	.019	.014	.020	.016	.010	.005	.007	.005	.003	.002	.000	.006	.002	.200
I	.007	.006	.006	.003	.002	.002	.001	.001	.000	.000	.001	.000	.000	.000	.000	.000	.000	.030
ELM	.003	.005	.002	.001	.000	.000	.001	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.013
OHW	.041	.024	.024	.022	.012	.009	.007	.005	.005	.004	.004	.003	.002	.000	.003	.001	.007	.173
T SF	1.062	.687	1.191	1.480	1.591	1.549	1.437	1.302	1.066	.895	.743	.589	.504	.403	.315	.262	.882	15.972
T SW	1.152	.743	1.268	1.571	1.688	1.667	1.563	1.434	1.176	1.003	.846	.685	.597	.481	.382	.326	1.322	17.904
T HW	1.194	.766	.970	1.000	1.094	1.018	.893	.924	.810	.752	.705	.631	.597	.601	.552	.482	3.433	16.422
TOTL	2.345	1.509	2.238	2.571	2.782	2.685	2.456	2.358	1.986	1.755	1.551	1.316	1.194	1.082	.934	.808	4.755	34.326

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1673528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM WOOD DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.123	.071	.146	.172	.192	.194	.195	.178	.155	.141	.126	.092	.087	.071	.063	.058	.245	2.309
RS	.053	.036	.054	.075	.087	.097	.099	.097	.089	.080	.073	.069	.052	.048	.036	.036	.161	1.242
WS	.096	.093	.129	.179	.203	.225	.234	.244	.196	.179	.170	.134	.135	.109	.089	.080	.245	2.740
BF	.735	.448	.780	.952	1.000	.927	.811	.694	.548	.434	.323	.253	.196	.148	.104	.070	.169	8.584
WP	.002	.003	.001	.003	.004	.004	.007	.005	.007	.005	.007	.008	.007	.007	.011	.009	.163	.253
JP	.003	.001	.003	.004	.006	.006	.007	.008	.007	.006	.004	.002	.002	.002	.002	.001	.001	.062
RP	.001	.001	.000	.000	.000	.001	.001	.000	.000	.001	.000	.001	.002	.000	.000	.000	.008	.016
EC	.060	.044	.061	.070	.072	.088	.090	.097	.083	.081	.077	.071	.072	.061	.047	.048	.223	1.345
EH	.001	.001	.002	.002	.002	.002	.002	.003	.002	.003	.002	.003	.002	.002	.002	.002	.014	.047
TL	.001	.003	.006	.007	.007	.010	.010	.010	.006	.006	.005	.003	.002	.001	.000	.002	.089	
RM	.198	.115	.156	.157	.180	.143	.119	.116	.106	.082	.068	.055	.039	.040	.035	.021	.070	1.700
SM	.303	.193	.242	.235	.288	.263	.226	.282	.221	.208	.206	.200	.184	.189	.209	.171	1.744	5.364
YB	.125	.062	.095	.109	.129	.128	.115	.129	.136	.149	.148	.132	.137	.167	.131	.127	.841	2.860
WB	.226	.136	.198	.197	.195	.181	.145	.107	.095	.069	.069	.049	.044	.033	.023	.021	.073	1.861
A	.074	.065	.087	.093	.085	.102	.105	.104	.080	.076	.068	.048	.058	.038	.038	.025	.076	1.222
BE	.123	.094	.079	.086	.112	.109	.094	.102	.102	.108	.087	.094	.089	.091	.075	.077	.383	1.902
ASH	.021	.016	.017	.032	.018	.013	.019	.015	.009	.005	.007	.005	.003	.002	.000	.006	.002	.190
I	.007	.006	.006	.003	.002	.002	.001	.001	.000	.000	.001	.001	.000	.000	.000	.000	.000	.030
ELM	.003	.005	.002	.001	.000	.000	.001	.000	.000	.000	.000	.001	.000	.000	.000	.000	.007	.013
OHW	.039	.022	.022	.021	.011	.008	.007	.005	.005	.004	.004	.003	.002	.000	.003	.001	.007	.163
T SF	1.007	.640	1.109	1.378	1.482	1.443	1.339	1.213	.988	.834	.692	.548	.470	.376	.292	.244	.820	14.875
T SW	1.072	.693	1.182	1.464	1.573	1.554	1.456	1.336	1.097	.936	.788	.638	.558	.450	.355	.304	1.231	16.687
T HW	1.115	.714	.904	.934	1.020	.949	.832	.861	.754	.701	.658	.587	.557	.560	.514	.449	3.196	15.305
TOTL	2.187	1.407	2.086	2.398	2.593	2.503	2.288	2.197	1.851	1.637	1.446	1.225	1.115	1.010	.869	.753	4.427	31.992

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM WOOD DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP-->	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SPECIES								
SP	.123	2.057	.129	2.309	.132	2.206	.138	2.476
RS	.053	1.075	.114	1.242	.057	1.154	.123	1.334
WS	.096	2.463	.181	2.740	.104	2.646	.195	2.945
BF	.735	7.755	.094	8.584	.789	8.326	.102	9.217
WP	.002	.122	.129	.253	.002	.130	.139	.271
JP	.000	.061	.001	.062	.000	.062	.001	.063
PP	.001	.009	.006	.016	.001	.009	.006	.016
EC	.060	1.137	.148	1.345	.065	1.217	.159	1.441
EH	.001	.039	.007	.047	.001	.039	.007	.047
TL	.001	.086	.002	.089	.001	.091	.002	.094
RM	.198	1.459	.043	1.700	.212	1.566	.047	1.825
SM	.303	3.612	1.449	5.364	.325	3.877	1.556	5.758
YB	.125	2.095	.640	2.860	.134	2.249	.687	3.070
WB	.226	1.589	.046	1.861	.242	1.705	.050	1.997
A	.074	1.107	.041	1.222	.080	1.190	.044	1.314
BE	.120	1.519	.263	1.902	.128	1.632	.282	2.042
ASH	.021	.168	.001	.190	.022	.177	.001	.200
I	.007	.023	.000	.030	.007	.023	.000	.030
ELM	.003	.010	.000	.013	.003	.010	.000	.013
OHW	.038	.119	.006	.163	.041	.126	.006	.173
T SF	1.007	13.350	.518	14.875	1.082	14.332	.558	15.972
T SW	1.072	14.804	.811	16.687	1.152	15.880	.872	17.904
T HW	1.115	11.701	2.489	15.305	1.194	12.555	2.673	16.422
TOTL	2.187	26.505	3.300	31.992	2.346	28.435	3.545	34.326

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM BARK DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.024	.012	.024	.026	.028	.028	.027	.024	.020	.018	.016	.011	.010	.008	.007	.007	.027	.317
RS	.010	.006	.008	.011	.012	.013	.013	.012	.011	.009	.008	.008	.006	.005	.004	.004	.015	.155
WS	.019	.016	.021	.027	.030	.032	.032	.033	.026	.023	.021	.016	.016	.013	.010	.009	.027	.371
BF	.173	.095	.163	.194	.198	.180	.154	.130	.101	.079	.058	.045	.034	.026	.018	.012	.028	1.688
WP	.000	.001	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.019	.033
JP	.000	.000	.000	.000	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.005
EC	.010	.007	.010	.012	.012	.015	.015	.016	.014	.013	.013	.011	.011	.010	.007	.008	.036	.220
EH	.000	.000	.000	.000	.000	.000	.000	.001	.000	.001	.000	.000	.000	.000	.000	.000	.002	.005
TL	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.009
RM	.040	.020	.026	.025	.028	.022	.018	.017	.015	.011	.009	.007	.005	.005	.005	.003	.008	.264
SM	.057	.032	.040	.038	.046	.041	.035	.043	.033	.031	.031	.029	.027	.028	.030	.025	.246	.808
YB	.025	.012	.018	.020	.024	.023	.021	.023	.024	.027	.026	.023	.024	.029	.023	.022	.146	.510
WB	.051	.026	.039	.037	.036	.033	.026	.019	.016	.011	.011	.008	.007	.005	.004	.003	.010	.344
A	.029	.016	.023	.024	.021	.025	.026	.025	.019	.018	.016	.011	.013	.009	.009	.006	.017	.300
BC	.018	.009	.007	.007	.009	.009	.008	.008	.008	.008	.007	.007	.007	.007	.005	.006	.028	.152
ASH	.004	.002	.002	.004	.002	.002	.002	.002	.001	.001	.001	.001	.000	.000	.000	.001	.000	.025
I	.000	.001	.001	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
EL	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
OHW	.004	.004	.004	.003	.002	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.027
T SF	.326	.129	.216	.258	.268	.253	.226	.199	.158	.129	.103	.080	.066	.052	.039	.032	.097	2.531
T SW	.279	.137	.227	.272	.283	.271	.244	.219	.175	.145	.118	.093	.078	.063	.047	.041	.154	2.803
T HW	.214	.127	.160	.158	.168	.156	.137	.138	.117	.108	.101	.086	.083	.093	.076	.066	.455	2.433
TOTL	.495	.264	.387	.430	.451	.427	.381	.357	.292	.253	.219	.179	.161	.146	.123	.107	.609	5.236

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM BARK DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.022	.011	.022	.024	.026	.026	.025	.022	.019	.017	.015	.010	.009	.007	.007	.007	.026	.295
RS	.010	.006	.007	.010	.011	.012	.012	.011	.010	.008	.007	.007	.006	.005	.004	.004	.015	.145
WS	.018	.015	.020	.025	.028	.030	.030	.031	.029	.021	.020	.015	.015	.012	.009	.008	.026	.347
BF	.162	.089	.152	.181	.184	.168	.143	.121	.094	.074	.054	.042	.032	.024	.017	.011	.027	1.575
WP	.000	.001	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.018	.032
JP	.000	.004	.000	.000	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.005
EC	.013	.007	.009	.011	.011	.014	.014	.015	.013	.012	.012	.010	.010	.009	.007	.007	.034	.205
EH	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.001	.000	.000	.000	.000	.000	.002	.005
TL	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.009
RM	.038	.019	.024	.023	.026	.021	.017	.016	.014	.010	.008	.007	.005	.005	.005	.003	.008	.249
SM	.049	.030	.037	.035	.043	.038	.033	.040	.031	.029	.029	.027	.025	.026	.028	.023	.229	.752
YB	.023	.011	.017	.019	.022	.021	.020	.021	.022	.025	.024	.021	.022	.027	.021	.021	.137	.474
WB	.049	.026	.036	.034	.034	.031	.024	.018	.015	.010	.010	.007	.007	.005	.004	.003	.010	.322
A	.019	.017	.021	.022	.020	.023	.024	.023	.018	.017	.015	.010	.012	.008	.008	.006	.016	.279
BE	.012	.008	.007	.007	.008	.008	.007	.007	.007	.007	.007	.007	.007	.007	.005	.006	.026	.143
ASH	.004	.002	.002	.004	.002	.002	.002	.002	.001	.001	.001	.001	.000	.000	.000	.001	.000	.025
I	.000	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
ELM	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
OHW	.009	.004	.004	.003	.002	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.027
T SF	.212	.121	.201	.240	.249	.236	.217	.185	.147	.120	.096	.074	.062	.048	.037	.030	.094	2.362
T SW	.222	.129	.211	.253	.263	.253	.227	.204	.163	.135	.110	.086	.073	.058	.045	.038	.148	2.618
T HW	.202	.119	.149	.147	.157	.145	.128	.128	.109	.100	.094	.080	.078	.078	.071	.063	.426	2.274
TOTL	.424	.248	.360	.400	.420	.398	.355	.332	.272	.235	.204	.166	.151	.136	.116	.101	.574	4.892

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM BARK DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SP	.022	.259	.014	.295	.024	.279	.014	.317
RS	.010	.125	.010	.145	.010	.135	.010	.155
WS	.016	.310	.019	.347	.019	.332	.020	.371
BF	.162	1.398	.015	1.575	.173	1.500	.015	1.688
WP	.000	.018	.014	.032	.000	.018	.015	.033
JP	.000	.005	.000	.005	.000	.005	.000	.005
EC	.010	.172	.023	.205	.010	.186	.024	.220
EH	.000	.004	.001	.005	.000	.004	.001	.005
TL	.000	.009	.000	.009	.000	.009	.000	.009
RM	.038	.206	.005	.249	.040	.219	.005	.264
SM	.049	.513	.190	.752	.053	.551	.204	.808
YB	.023	.347	.104	.474	.025	.374	.111	.510
WB	.048	.268	.006	.322	.051	.287	.006	.344
A	.019	.251	.009	.279	.020	.271	.009	.300
BE	.012	.113	.018	.143	.012	.121	.019	.152
ASH	.004	.021	.000	.025	.004	.021	.000	.025
I	.000	.002	.000	.002	.000	.002	.000	.002
ELM	.000	.001	.000	.001	.000	.001	.000	.001
OHW	.009	.018	.000	.027	.009	.018	.000	.027
T SF	.212	2.092	.058	2.362	.226	2.246	.059	2.531
T SW	.222	2.300	.096	2.618	.236	2.468	.099	2.803
T HW	.202	1.740	.332	2.274	.214	1.865	.354	2.433
TOTL	.424	4.040	.428	4.892	.450	4.333	.453	5.236

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-6	10	12	14	16	16	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.154	.188	.181	.211	.234	.236	.236	.215	.186	.169	.150	.111	.103	.084	.075	.069	.289	2.791
RS	.067	.045	.066	.092	.105	.116	.119	.116	.107	.095	.086	.082	.062	.056	.043	.042	.189	1.488
WS	.124	.115	.159	.219	.248	.275	.283	.295	.236	.214	.204	.160	.161	.130	.107	.095	.292	3.317
BF	.963	.568	1.000	1.216	1.272	1.176	1.025	.875	.689	.545	.405	.316	.244	.185	.130	.087	.210	10.906
WP	.003	.004	.701	.004	.004	.005	.009	.005	.008	.005	.009	.010	.008	.008	.013	.011	.194	.300
JP	.003	.002	.003	.004	.006	.006	.008	.010	.007	.007	.004	.002	.002	.002	.002	.001	.003	.069
RP	.001	.001	.001	.000	.000	.001	.001	.000	.000	.001	.000	.002	.002	.001	.000	.000	.009	.020
EC	.076	.054	.075	.087	.089	.109	.112	.120	.103	.101	.096	.088	.088	.074	.057	.059	.274	1.662
EH	.001	.001	.002	.002	.002	.003	.002	.003	.002	.003	.002	.003	.002	.003	.003	.002	.016	.052
TL	.002	.003	.007	.007	.009	.012	.013	.012	.012	.006	.006	.006	.003	.002	.002	.000	.002	.104
RM	.251	.143	.193	.193	.222	.176	.145	.140	.129	.099	.082	.067	.048	.048	.043	.025	.084	2.088
SM	.379	.239	.299	.290	.355	.323	.278	.346	.270	.254	.251	.244	.224	.231	.254	.209	2.118	6.564
YB	.159	.079	.119	.137	.163	.161	.144	.162	.170	.187	.185	.166	.171	.208	.164	.159	1.051	3.585
WB	.292	.174	.252	.249	.245	.226	.182	.134	.118	.085	.085	.060	.054	.040	.028	.025	.091	2.340
A	.102	.088	.115	.124	.113	.134	.139	.137	.105	.100	.089	.063	.075	.050	.049	.033	.098	1.614
BE	.140	.109	.092	.100	.129	.126	.108	.118	.118	.124	.100	.108	.103	.104	.085	.088	.437	2.189
ASH	.025	.019	.021	.038	.021	.016	.022	.018	.011	.005	.008	.005	.003	.002	.000	.007	.003	.224
I	.009	.007	.007	.003	.003	.003	.001	.001	.000	.000	.001	.001	.000	.000	.000	.000	.000	.036
ELM	.004	.005	.002	.001	.000	.000	.001	.000	.000	.001	.000	.000	.001	.000	.000	.000	.000	.015
OHW	.051	.028	.028	.025	.014	.011	.008	.005	.006	.005	.004	.003	.002	.001	.003	.001	.007	.201
T SF	1.303	.816	1.406	1.738	1.859	1.803	1.663	1.501	1.218	1.023	.845	.669	.570	.455	.355	.293	.980	18.502
T SW	1.397	.881	.495	1.842	1.969	1.939	1.808	1.651	1.350	1.146	.962	.780	.675	.545	.432	.366	1.478	20.709
T HW	1.411	.891	1.128	1.160	1.265	1.176	1.028	1.061	.927	.860	.805	.717	.681	.684	.626	.547	3.889	18.856
TOTL	2.803	1.772	2.623	3.002	3.234	3.115	2.836	2.712	2.277	2.006	1.767	1.497	1.356	1.229	1.058	.913	5.367	39.565

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.143	.092	.169	.197	.218	.220	.220	.200	.173	.157	.140	.103	.096	.078	.070	.064	.269	2.599
RS	.063	.042	.061	.086	.098	.108	.111	.106	.100	.089	.080	.076	.058	.052	.040	.039	.176	1.387
WS	.116	.107	.148	.204	.231	.256	.264	.275	.220	.199	.190	.149	.150	.121	.100	.089	.272	3.091
BF	.897	.529	.932	1.133	1.185	1.095	.955	.815	.642	.508	.377	.294	.227	.172	.121	.081	.196	10.159
WP	.002	.004	.001	.004	.004	.005	.008	.005	.007	.005	.008	.009	.007	.007	.012	.010	.180	.278
JP	.000	.002	.003	.004	.006	.006	.007	.009	.007	.007	.004	.002	.002	.002	.002	.001	.003	.067
PP	.001	.001	.001	.000	.000	.001	.001	.000	.000	.001	.000	.002	.002	.001	.000	.000	.009	.020
EC	.071	.056	.070	.081	.083	.102	.104	.112	.096	.094	.089	.082	.082	.069	.053	.055	.256	1.549
EH	.001	.001	.002	.002	.002	.003	.002	.003	.002	.003	.002	.003	.002	.003	.003	.002	.015	.051
TL	.002	.003	.007	.007	.008	.011	.012	.011	.011	.006	.006	.006	.003	.002	.002	.000	.002	.099
RM	.233	.133	.180	.180	.207	.164	.135	.130	.120	.092	.076	.062	.045	.045	.040	.023	.078	1.943
SM	.352	.223	.279	.270	.331	.301	.259	.322	.252	.237	.234	.227	.209	.215	.237	.195	1.972	6.115
YB	.148	.074	.111	.128	.152	.150	.134	.151	.158	.174	.172	.155	.159	.194	.153	.148	.979	3.340
WB	.272	.162	.235	.232	.228	.211	.170	.125	.110	.079	.079	.056	.050	.037	.026	.023	.085	2.180
A	.096	.082	.107	.116	.105	.125	.129	.128	.098	.093	.083	.059	.070	.047	.046	.031	.091	1.506
BE	.130	.102	.086	.093	.120	.117	.101	.110	.110	.116	.093	.101	.096	.097	.079	.082	.408	2.041
ASH	.023	.018	.020	.035	.020	.015	.021	.017	.010	.005	.007	.005	.003	.002	.000	.007	.003	.211
I	.009	.007	.007	.003	.003	.003	.001	.001	.000	.000	.001	.001	.000	.000	.000	.000	.000	.036
ELM	.004	.005	.002	.001	.000	.000	.001	.000	.000	.001	.000	.000	.001	.000	.000	.000	.000	.015
OHW	.047	.026	.026	.023	.013	.010	.007	.005	.006	.005	.004	.003	.002	.001	.003	.001	.007	.189
T SF	1.219	.760	1.310	1.620	1.732	1.679	1.559	1.398	1.135	.953	.787	.622	.531	.423	.331	.273	.913	17.236
T SW	1.296	.821	1.394	1.718	1.835	1.807	1.684	1.538	1.258	1.069	.896	.726	.629	.507	.403	.341	1.378	19.300
T HW	1.314	.832	1.053	1.081	1.179	1.096	.958	.989	.864	.802	.749	.669	.635	.638	.589	.510	3.623	17.576
TOTL	2.611	1.653	2.447	2.799	3.014	2.903	2.642	2.527	2.122	1.871	1.645	1.395	1.264	1.145	.987	.851	5.001	36.876

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY STEM DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SP	.143	2.315	.141	2.599	.154	2.485	.152	2.791
RS	.063	1.199	.125	1.387	.067	1.287	.134	1.488
WS	.116	2.775	.200	3.091	.124	2.978	.215	3.317
BF	.897	9.154	.108	10.159	.963	9.827	.116	10.906
WP	.002	.134	.142	.278	.002	.145	.153	.300
JP	.000	.065	.002	.067	.000	.067	.002	.069
RP	.001	.013	.006	.020	.001	.013	.006	.020
EC	.071	1.308	.170	1.549	.076	1.404	.182	1.662
EH	.001	.042	.008	.051	.001	.043	.008	.052
TL	.002	.095	.002	.099	.002	.100	.002	.104
RM	.233	1.662	.048	1.943	.251	1.785	.052	2.088
SM	.352	4.125	1.638	6.115	.379	4.426	1.759	6.564
YB	.148	2.448	.744	3.340	.159	2.627	.799	3.585
WB	.272	1.855	.053	2.180	.292	1.991	.057	2.340
A	.096	1.362	.048	1.506	.102	1.460	.052	1.614
BE	.130	1.631	.280	2.041	.140	1.749	.300	2.189
ASH	.023	.186	.002	.211	.025	.197	.002	.224
I	.009	.027	.000	.036	.009	.027	.000	.036
ELM	.004	.011	.000	.015	.004	.011	.000	.015
OHW	.047	.136	.006	.189	.050	.145	.006	.201
T SF	1.219	15.443	.574	17.236	1.308	16.577	.617	18.502
T SW	1.296	17.100	.904	19.300	1.390	18.349	.970	20.709
T HW	1.314	13.443	2.819	17.576	1.411	14.418	3.027	18.856
TOTL	2.610	30.543	3.723	36.876	2.801	32.767	3.997	39.565

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY BRANCHES DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.079	.036	.067	.073	.076	.072	.068	.059	.049	.043	.037	.026	.024	.019	.016	.014	.057	.815
RS	.028	.016	.022	.030	.032	.035	.034	.032	.029	.025	.022	.021	.015	.014	.010	.010	.042	.417
WS	.061	.047	.059	.076	.080	.084	.082	.081	.062	.054	.050	.038	.037	.029	.023	.020	.057	.940
BF	.448	.196	.309	.342	.329	.283	.231	.186	.139	.105	.074	.056	.041	.030	.020	.013	.031	2.833
WP	.000	.001	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.015	.029
JP	.000	.000	.001	.001	.001	.001	.001	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000	.010
RP	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002	.002
EC	.024	.013	.016	.017	.016	.019	.018	.019	.015	.014	.013	.012	.011	.009	.007	.007	.029	.259
EH	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.000	.001	.000	.001	.001	.000	.003	.014
TL	.000	.001	.001	.001	.001	.002	.002	.002	.002	.001	.001	.001	.000	.000	.000	.000	.000	.015
RM	.049	.027	.037	.037	.043	.034	.028	.027	.025	.019	.016	.013	.009	.009	.008	.005	.016	.402
SM	.060	.038	.048	.047	.057	.052	.045	.036	.044	.041	.041	.040	.037	.038	.042	.034	.347	1.067
YB	.043	.021	.031	.035	.042	.041	.036	.041	.042	.046	.046	.041	.042	.051	.040	.038	.251	.887
WB	.052	.031	.045	.045	.044	.041	.033	.025	.022	.016	.016	.011	.010	.007	.005	.005	.017	.425
A	.018	.015	.021	.023	.021	.025	.026	.026	.020	.019	.017	.012	.015	.010	.010	.006	.020	.304
BE	.037	.030	.025	.028	.037	.036	.031	.035	.035	.037	.030	.032	.031	.032	.026	.027	.136	.645
ASH	.006	.004	.004	.007	.004	.003	.004	.003	.002	.001	.001	.001	.000	.000	.000	.001	.000	.041
I	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005
ELM	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
OHW	.009	.004	.004	.004	.002	.002	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.030
T SF	.616	.295	.457	.521	.517	.474	.415	.358	.279	.227	.183	.141	.117	.092	.069	.057	.187	5.005
T SW	.640	.310	.476	.542	.537	.498	.438	.383	.299	.245	.199	.156	.129	.103	.078	.065	.236	5.334
T HW	.276	.172	.216	.227	.250	.234	.204	.214	.191	.180	.168	.150	.144	.147	.131	.116	.787	3.807
TOTL	.916	.482	.692	.769	.787	.732	.642	.597	.490	.425	.367	.306	.273	.250	.209	.181	1.023	9.141

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY BRANCHES DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.074	.134	.062	.068	.071	.067	.063	.055	.046	.040	.034	.024	.022	.018	.015	.013	.054	.760
RS	.026	.015	.021	.028	.030	.033	.032	.030	.027	.023	.021	.020	.014	.013	.009	.009	.040	.391
WS	.058	.044	.055	.071	.075	.078	.076	.075	.058	.050	.047	.035	.034	.027	.021	.019	.053	.876
BF	.419	.183	.288	.319	.306	.264	.215	.173	.129	.098	.069	.052	.038	.028	.019	.012	.030	2.641
WP	.000	.001	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.014	.028
JP	.000	.000	.001	.001	.001	.001	.001	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000	.010
PP	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002	.002
EC	.022	.012	.015	.016	.015	.016	.017	.018	.014	.013	.012	.011	.010	.008	.007	.007	.027	.242
EH	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.000	.001	.000	.001	.001	.000	.003	.014
TL	.000	.001	.001	.001	.001	.002	.002	.002	.002	.001	.001	.001	.000	.000	.000	.000	.000	.015
BM	.046	.025	.034	.034	.040	.032	.026	.026	.023	.018	.015	.012	.008	.008	.007	.005	.016	.374
SM	.056	.035	.045	.044	.053	.048	.042	.052	.041	.038	.038	.037	.034	.035	.039	.032	.323	.992
YB	.041	.020	.029	.033	.039	.038	.034	.038	.039	.043	.043	.038	.039	.048	.037	.035	.234	.828
WB	.049	.029	.042	.042	.041	.038	.031	.023	.021	.015	.015	.010	.009	.007	.005	.005	.017	.399
A	.017	.014	.020	.021	.020	.023	.024	.024	.019	.018	.016	.011	.014	.009	.009	.006	.019	.284
BE	.035	.026	.023	.026	.034	.034	.029	.033	.033	.034	.028	.030	.029	.030	.024	.025	.127	.602
ASH	.006	.004	.004	.007	.004	.003	.004	.003	.002	.001	.001	.001	.000	.000	.000	.001	.000	.041
I	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005
ELM	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
OHW	.009	.004	.004	.004	.002	.002	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.030
T SF	.576	.276	.426	.486	.482	.442	.386	.373	.268	.211	.171	.131	.108	.086	.064	.053	.177	4.668
T SW	.598	.293	.444	.506	.501	.465	.408	.357	.279	.228	.186	.145	.119	.096	.073	.061	.223	4.979
T HW	.261	.161	.202	.212	.233	.218	.191	.199	.179	.168	.157	.139	.133	.137	.121	.109	.736	3.556
TOTL	.859	.451	.646	.718	.734	.683	.599	.556	.458	.396	.343	.284	.252	.233	.194	.170	.959	8.535

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY BRANCHES DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-96	TOTAL	2- 8	10-40	42-96	TOTAL
SP	.074	.658	.028	.760	.079	.707	.029	.815
RS	.026	.337	.028	.391	.028	.360	.029	.417
WS	.058	.780	.038	.876	.061	.838	.041	.940
RF	.418	2.206	.017	2.641	.448	2.368	.017	2.833
WP	.000	.017	.011	.028	.000	.017	.012	.029
JP	.000	.010	.000	.010	.000	.010	.000	.010
RP	.000	.001	.001	.002	.000	.001	.001	.002
EC	.022	.202	.018	.242	.024	.216	.019	.259
EH	.000	.013	.001	.014	.000	.013	.001	.014
TL	.000	.015	.000	.015	.000	.015	.000	.015
RM	.046	.318	.010	.374	.049	.343	.010	.402
SM	.056	.668	.268	.992	.060	.719	.288	1.067
YB	.041	.610	.177	.828	.043	.654	.190	.887
WB	.049	.339	.011	.399	.052	.362	.011	.425
A	.017	.256	.011	.284	.018	.275	.011	.304
BE	.035	.479	.088	.602	.037	.514	.094	.645
ASH	.006	.035	.000	.041	.006	.035	.000	.041
I	.002	.003	.000	.005	.002	.003	.000	.005
ELM	.001	.001	.000	.001	.000	.001	.000	.001
OHW	.009	.021	.000	.030	.009	.021	.000	.030
T SF	.576	3.981	.111	4.668	.616	4.273	.116	5.005
T SW	.598	4.239	.142	4.979	.640	4.545	.149	5.334
T HW	.261	2.730	.565	3.556	.276	2.927	.604	3.807
TOTL	.859	6.969	.727	8.535	.916	7.472	.753	9.141

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY FOLIAGE DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.067	.027	.049	.051	.052	.048	.044	.038	.031	.026	.022	.016	.014	.011	.009	.008	.032	.545
RS	.021	.011	.015	.020	.021	.022	.021	.019	.017	.015	.013	.012	.008	.007	.006	.005	.022	.255
WS	.051	.036	.043	.053	.055	.056	.053	.052	.039	.033	.030	.022	.022	.017	.013	.011	.032	.618
BF	.317	.132	.203	.221	.210	.178	.144	.115	.085	.063	.045	.033	.024	.018	.012	.008	.017	1.825
WP	.000	.001	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.007
JP	.000	.000	.000	.000	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
EC	.013	.007	.009	.009	.009	.010	.009	.009	.008	.007	.006	.006	.005	.004	.003	.003	.015	.132
EH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001
RM	.013	.005	.006	.006	.006	.004	.003	.003	.003	.002	.001	.001	.001	.001	.001	.000	.000	.056
SM	.015	.007	.007	.006	.007	.006	.005	.006	.004	.004	.003	.003	.003	.003	.003	.002	.021	.105
YB	.007	.003	.003	.004	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.002	.002	.012	.065
MB	.018	.008	.011	.010	.009	.008	.006	.004	.003	.002	.002	.002	.001	.001	.001	.001	.002	.089
A	.005	.004	.004	.004	.003	.004	.004	.003	.002	.002	.002	.001	.001	.001	.001	.001	.001	.043
BE	.008	.004	.003	.003	.004	.003	.003	.003	.003	.003	.002	.002	.002	.002	.001	.001	.006	.053
ASH	.000	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
OHW	.003	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.006
T SF	.456	.206	.310	.345	.338	.304	.262	.224	.172	.137	.110	.083	.068	.053	.040	.032	.103	3.243
T SW	.469	.214	.319	.354	.348	.315	.273	.234	.180	.144	.116	.089	.073	.057	.043	.035	.124	3.387
T HW	.069	.033	.036	.035	.034	.029	.024	.022	.018	.016	.013	.012	.011	.011	.009	.007	.042	.421
TOTL	.539	.247	.355	.389	.382	.344	.297	.256	.198	.160	.129	.101	.084	.068	.052	.042	.166	3.808

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY FOLIAGE DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.063	.025	.046	.048	.048	.045	.041	.035	.029	.024	.021	.015	.013	.010	.008	.007	.030	.508
RS	.019	.010	.014	.019	.020	.021	.020	.018	.016	.014	.012	.011	.007	.007	.006	.005	.021	.240
MS	.048	.034	.040	.049	.051	.052	.049	.048	.036	.031	.028	.021	.021	.016	.012	.010	.030	.576
BF	.295	.123	.189	.206	.196	.166	.134	.107	.079	.059	.042	.031	.022	.017	.011	.007	.016	1.700
WP	.000	.001	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.007
JP	.000	.000	.000	.000	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
EC	.017	.007	.008	.008	.008	.009	.008	.008	.007	.007	.006	.006	.005	.004	.003	.003	.015	.125
EH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001
RM	.013	.005	.006	.006	.006	.004	.003	.003	.003	.002	.001	.001	.001	.001	.001	.000	.000	.056
SM	.015	.007	.007	.006	.006	.005	.006	.004	.004	.004	.003	.003	.003	.003	.003	.002	.020	.104
YB	.007	.003	.003	.004	.004	.004	.003	.003	.003	.003	.003	.003	.003	.003	.002	.002	.012	.065
WB	.017	.007	.010	.009	.008	.007	.006	.004	.003	.002	.002	.002	.001	.001	.001	.001	.002	.083
A	.005	.004	.004	.004	.003	.004	.004	.003	.002	.002	.002	.001	.001	.001	.001	.001	.001	.043
BE	.008	.004	.003	.003	.004	.003	.003	.003	.003	.003	.002	.002	.002	.002	.001	.001	.006	.053
ASH	.000	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
OHW	.003	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.006
T SF	.425	.192	.289	.322	.315	.284	.244	.208	.160	.128	.103	.078	.063	.050	.037	.029	.097	3.024
T SW	.438	.200	.297	.330	.324	.294	.254	.217	.167	.135	.109	.084	.068	.054	.040	.032	.118	3.161
T HW	.069	.032	.035	.034	.033	.028	.024	.022	.018	.016	.013	.012	.011	.011	.009	.007	.041	.414
TOTL	.506	.232	.332	.364	.357	.322	.278	.239	.185	.151	.122	.096	.079	.065	.049	.039	.159	3.575

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY FOLIAGE DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SP	.063	.430	.015	.508	.067	.462	.016	.545
RS	.019	.207	.014	.240	.021	.219	.015	.255
WS	.048	.506	.022	.576	.051	.544	.023	.618
BF	.295	1.396	.009	1.700	.317	1.499	.009	1.825
WP	.000	.003	.004	.007	.000	.003	.004	.007
JP	.000	.004	.006	.009	.000	.004	.000	.004
EC	.013	.102	.010	.125	.013	.109	.010	.132
EH	.000	.001	.000	.001	.000	.001	.000	.001
BH	.013	.043	.000	.056	.013	.043	.000	.056
SW	.015	.073	.016	.104	.015	.073	.017	.105
YB	.007	.049	.009	.065	.007	.049	.009	.065
WB	.017	.065	.001	.083	.018	.070	.001	.089
A	.005	.038	.000	.043	.005	.038	.000	.043
BE	.008	.041	.004	.053	.008	.041	.004	.053
ASH	.000	.004	.000	.004	.000	.004	.000	.004
OHW	.003	.003	.000	.006	.003	.003	.000	.006
T SF	.425	2.539	.060	3.024	.456	2.724	.063	3.243
T SW	.438	2.649	.074	3.161	.469	2.841	.077	3.387
T HW	.068	.316	.038	.414	.069	.321	.031	.421
TOTL	.506	2.965	.174	3.575	.538	3.162	.108	3.808

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY CROWN DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.147	.063	.117	.124	.127	.120	.113	.097	.080	.069	.059	.042	.038	.030	.025	.023	.090	1.364
RS	.049	.027	.037	.049	.053	.056	.055	.052	.046	.040	.035	.032	.024	.021	.016	.015	.065	.671
WS	.112	.083	.103	.129	.135	.139	.135	.133	.101	.088	.080	.060	.058	.046	.036	.031	.088	1.557
SF	.765	.328	.512	.563	.540	.462	.376	.301	.224	.168	.119	.089	.066	.048	.032	.021	.048	4.662
WP	.001	.002	.000	.001	.001	.001	.002	.001	.002	.001	.001	.002	.001	.001	.002	.001	.021	.041
JP	.000	.000	.001	.001	.002	.002	.002	.002	.002	.001	.001	.001	.000	.000	.000	.000	.000	.015
RP	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.002	.003
EC	.037	.020	.025	.026	.025	.028	.028	.028	.023	.021	.020	.017	.017	.014	.010	.010	.044	.393
EH	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.004	.018
YL	.000	.001	.001	.001	.002	.002	.002	.002	.002	.001	.001	.001	.000	.000	.000	.000	.000	.016
RM	.061	.033	.043	.043	.048	.038	.031	.030	.027	.021	.017	.014	.010	.010	.009	.005	.018	.458
SM	.075	.045	.056	.053	.065	.058	.050	.062	.048	.045	.044	.043	.039	.040	.044	.037	.369	1.173
YB	.052	.024	.035	.039	.046	.044	.039	.044	.046	.050	.049	.043	.044	.054	.042	.040	.264	.955
WB	.069	.039	.056	.054	.053	.049	.039	.029	.025	.018	.018	.013	.011	.008	.006	.005	.018	.510
A	.022	.019	.025	.027	.024	.029	.030	.029	.022	.021	.019	.014	.016	.011	.011	.007	.021	.347
BE	.044	.034	.029	.031	.041	.040	.034	.037	.038	.040	.032	.035	.033	.034	.027	.029	.143	.701
ASH	.006	.004	.005	.008	.004	.003	.004	.003	.002	.001	.001	.001	.000	.000	.000	.001	.000	.043
I	.003	.002	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.010
ELM	.000	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
OHW	.011	.005	.005	.004	.002	.002	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.034
T SF	1.272	.501	.769	.865	.855	.777	.679	.583	.451	.365	.293	.223	.186	.145	.109	.090	.291	8.254
T SW	1.117	.525	.797	.895	.886	.811	.714	.617	.481	.396	.317	.245	.206	.161	.122	.101	.362	8.740
T HW	.343	.206	.257	.260	.284	.264	.224	.235	.209	.197	.181	.163	.153	.157	.139	.124	.833	4.233
TOTL	1.453	.731	1.054	1.155	1.170	1.075	.942	.852	.690	.587	.498	.408	.359	.318	.261	.225	1.195	12.973

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY CROWN DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	<8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.137	.059	.109	.116	.118	.112	.105	.090	.075	.064	.055	.039	.035	.028	.023	.021	.083	1.269
RS	.045	.025	.034	.046	.049	.052	.051	.048	.043	.037	.033	.030	.022	.020	.015	.014	.060	.624
WS	.135	.077	.096	.120	.126	.129	.126	.124	.094	.082	.075	.056	.054	.043	.034	.029	.082	1.452
BF	.713	.306	.477	.524	.503	.430	.350	.280	.209	.157	.111	.083	.061	.045	.030	.020	.045	4.344
WP	.001	.002	.000	.001	.001	.001	.002	.001	.002	.001	.001	.002	.001	.001	.002	.001	.020	.040
JP	.000	.000	.001	.001	.002	.002	.002	.002	.002	.001	.001	.001	.000	.000	.000	.000	.000	.015
RP	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.002	.003
EC	.035	.019	.023	.024	.023	.026	.026	.026	.021	.020	.019	.016	.016	.013	.009	.009	.042	.367
EH	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.004	.018	
TL	.000	.001	.001	.001	.002	.002	.002	.002	.002	.001	.001	.001	.000	.000	.000	.000	.000	.016
RM	.056	.031	.040	.040	.045	.035	.029	.028	.025	.020	.016	.013	.009	.009	.008	.005	.018	.427
SM	.000	.042	.052	.049	.061	.054	.047	.058	.045	.042	.041	.040	.036	.037	.041	.034	.343	1.092
YB	.049	.022	.033	.036	.043	.041	.036	.041	.043	.047	.046	.040	.041	.050	.039	.037	.247	.891
WB	.064	.036	.052	.050	.049	.046	.036	.027	.023	.017	.017	.012	.010	.007	.006	.005	.018	.475
A	.021	.018	.023	.025	.022	.027	.028	.027	.021	.020	.018	.013	.015	.010	.010	.007	.020	.325
BC	.042	.032	.027	.029	.038	.037	.032	.034	.035	.037	.030	.033	.031	.032	.025	.027	.133	.654
ASH	.006	.004	.005	.007	.004	.003	.004	.003	.002	.001	.001	.001	.000	.000	.000	.001	.000	.042
I	.003	.002	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.010
ELM	.000	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002
OHW	.011	.005	.005	.004	.002	.002	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.034
T SF	1.000	.467	.716	.806	.796	.723	.632	.542	.421	.340	.274	.208	.172	.136	.102	.084	.270	7.689
T SW	1.036	.490	.742	.834	.825	.755	.665	.574	.449	.364	.297	.229	.191	.151	.114	.094	.338	8.148
T HW	.322	.193	.240	.241	.265	.246	.213	.219	.195	.185	.170	.152	.142	.145	.129	.116	.779	3.952
TOTL	1.358	.683	.982	1.075	1.090	1.001	.878	.793	.644	.549	.467	.381	.333	.296	.243	.210	1.117	12.100

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY CROWN DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SP	.137	1.090	.042	1.269	.147	1.171	.046	1.364
RS	.045	.537	.042	.624	.048	.577	.046	.671
WS	.105	1.287	.060	1.452	.112	1.381	.064	1.557
BF	.713	3.607	.024	4.344	.765	3.871	.026	4.662
WP	.001	.024	.015	.040	.001	.024	.016	.041
JP	.000	.015	.000	.015	.000	.015	.000	.015
RP	.000	.002	.001	.003	.000	.002	.001	.003
EC	.035	.304	.028	.367	.037	.327	.029	.393
EH	.000	.016	.002	.018	.000	.016	.002	.018
TL	.000	.016	.000	.016	.000	.016	.000	.016
RM	.056	.360	.011	.427	.061	.386	.011	.458
SM	.670	.738	.284	1.092	.075	.792	.306	1.173
YB	.049	.655	.187	.891	.052	.703	.200	.955
WB	.064	.400	.011	.475	.069	.430	.011	.510
A	.021	.293	.011	.325	.022	.314	.011	.347
BE	.042	.521	.091	.654	.044	.559	.098	.701
ASH	.006	.036	.000	.042	.006	.037	.000	.043
I	.003	.007	.000	.010	.003	.007	.000	.010
ELM	.000	.002	.000	.002	.000	.002	.000	.002
OHW	.011	.023	.000	.034	.011	.023	.000	.034
T SF	1.000	6.521	.168	7.689	1.072	7.000	.182	8.254
T SW	1.036	6.898	.214	8.148	1.110	7.400	.230	8.740
T HW	.322	3.035	.595	3.952	.343	3.253	.637	4.233
TOTL	1.358	9.933	.809	12.100	1.453	10.653	.867	12.973

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY TOTAL DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.302	.150	.297	.335	.362	.356	.349	.312	.265	.238	.209	.152	.141	.114	.101	.092	.379	4.154
RS	.115	.072	.103	.142	.158	.173	.173	.168	.153	.135	.121	.114	.085	.077	.059	.058	.255	2.161
WS	.236	.198	.262	.348	.383	.414	.418	.428	.337	.302	.284	.221	.219	.176	.143	.127	.381	4.877
BF	1.727	.895	1.512	1.779	1.812	1.637	1.401	1.177	.913	.713	.524	.405	.309	.232	.163	.108	.257	15.564
WP	.003	.006	.002	.005	.005	.006	.011	.006	.010	.006	.010	.012	.009	.009	.015	.012	.215	.342
JP	.002	.002	.004	.005	.008	.008	.010	.012	.009	.008	.005	.003	.002	.002	.003	.001	.003	.087
RP	.001	.001	.001	.000	.000	.002	.001	.000	.001	.001	.000	.002	.003	.001	.000	.001	.010	.025
EC	.113	.074	.100	.114	.114	.137	.140	.148	.126	.122	.115	.105	.105	.088	.067	.069	.318	2.055
EH	.002	.002	.003	.003	.003	.004	.003	.005	.003	.004	.003	.004	.003	.004	.003	.002	.020	.071
TL	.003	.004	.008	.009	.010	.015	.015	.014	.014	.007	.007	.007	.003	.003	.002	.000	.002	.123
RM	.317	.176	.236	.236	.270	.214	.176	.170	.156	.120	.099	.081	.058	.058	.052	.030	.102	2.546
SM	.455	.284	.355	.343	.419	.381	.328	.408	.318	.299	.296	.287	.263	.271	.298	.246	2.488	7.739
YB	.211	.103	.154	.176	.208	.205	.184	.205	.216	.236	.234	.209	.215	.262	.206	.199	1.314	4.537
WB	.361	.213	.308	.303	.298	.275	.221	.163	.143	.103	.104	.073	.066	.048	.034	.030	.109	2.852
A	.124	.107	.140	.151	.137	.163	.169	.167	.127	.122	.108	.077	.091	.060	.060	.040	.120	1.963
BE	.165	.144	.120	.131	.170	.166	.142	.156	.156	.164	.132	.142	.136	.138	.112	.117	.580	2.891
ASH	.031	.024	.025	.046	.026	.019	.026	.021	.013	.006	.010	.006	.003	.003	.000	.008	.004	.271
I	.010	.006	.009	.004	.003	.003	.002	.002	.000	.000	.001	.000	.000	.001	.000	.000	.000	.043
ELM	.004	.006	.003	.001	.000	.000	.001	.001	.000	.000	.000	.000	.000	.001	.000	.000	.000	.017
OHW	.061	.033	.033	.030	.016	.013	.009	.006	.007	.006	.005	.004	.002	.001	.004	.001	.009	.240
T SF	2.380	1.315	2.174	2.604	2.715	2.580	2.341	2.085	1.668	1.388	1.138	.892	.754	.599	.466	.385	1.272	26.756
T SW	2.504	1.464	2.292	2.740	2.855	2.752	2.521	2.270	1.831	1.536	1.278	1.025	.879	.706	.556	.470	1.840	29.459
T HW	1.754	1.098	1.383	1.421	1.547	1.439	1.258	1.298	1.136	1.057	.989	.880	.835	.841	.766	.671	4.726	23.099
TOTL	4.258	2.592	3.675	4.161	4.402	4.191	3.779	3.568	2.967	2.593	2.267	1.905	1.714	1.547	1.322	1.141	6.566	52.558

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY TOTAL DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.281	.140	.277	.312	.337	.332	.325	.291	.247	.222	.195	.142	.131	.106	.094	.086	.354	3.872
RS	.107	.067	.096	.132	.147	.161	.161	.157	.143	.126	.113	.106	.079	.072	.055	.054	.237	2.013
WS	.219	.184	.244	.324	.357	.386	.389	.399	.314	.281	.265	.206	.204	.164	.133	.118	.354	4.541
BF	1.609	.634	1.408	1.657	1.688	1.525	1.305	1.096	.850	.664	.488	.377	.288	.216	.152	.101	.240	14.497
WP	.003	.006	.002	.005	.005	.006	.010	.006	.009	.006	.009	.011	.008	.008	.014	.011	.200	.319
JP	.002	.002	.004	.005	.007	.007	.009	.011	.008	.007	.005	.003	.002	.002	.003	.001	.003	.081
RP	.001	.001	.001	.000	.000	.002	.001	.000	.001	.001	.000	.002	.003	.001	.000	.001	.010	.025
EC	.106	.069	.093	.106	.106	.128	.130	.138	.117	.114	.107	.098	.098	.082	.062	.064	.296	1.914
EH	.002	.002	.003	.003	.003	.004	.003	.005	.003	.004	.003	.004	.003	.004	.003	.002	.018	.069
TL	.003	.004	.007	.008	.009	.014	.014	.013	.013	.007	.007	.007	.003	.003	.002	.000	.002	.116
RM	.291	.164	.220	.220	.252	.199	.164	.158	.145	.112	.092	.075	.054	.054	.048	.028	.095	2.371
SM	.424	.265	.331	.320	.390	.355	.306	.380	.296	.279	.276	.267	.245	.252	.278	.229	2.317	7.210
YB	.199	.096	.143	.164	.194	.191	.171	.191	.201	.220	.218	.195	.200	.244	.192	.185	1.224	4.227
WB	.337	.198	.287	.282	.278	.256	.206	.152	.133	.096	.097	.068	.061	.045	.032	.028	.101	2.657
A	.116	.100	.130	.141	.128	.152	.157	.156	.118	.114	.101	.072	.085	.056	.056	.037	.112	1.831
BE	.172	.134	.112	.122	.158	.155	.132	.145	.145	.153	.123	.132	.127	.129	.104	.109	.541	2.693
ASH	.029	.022	.023	.043	.024	.018	.024	.020	.012	.006	.009	.006	.003	.003	.000	.007	.004	.253
I	.010	.007	.008	.004	.003	.003	.002	.002	.000	.000	.001	.001	.000	.000	.000	.000	.000	.041
ELM	.004	.006	.003	.001	.000	.000	.001	.000	.000	.001	.000	.000	.001	.000	.000	.000	.000	.017
OHW	.058	.031	.031	.028	.015	.012	.008	.006	.007	.006	.005	.004	.002	.001	.004	.001	.009	.228
T SF	2.215	1.225	2.025	2.425	2.529	2.404	2.180	1.943	1.554	1.293	1.061	.831	.702	.558	.434	.359	1.185	24.923
T SW	2.332	1.309	2.135	2.552	2.659	2.565	2.347	2.116	1.705	1.432	1.192	.956	.819	.658	.518	.438	1.714	27.447
T HW	1.639	1.023	1.288	1.325	1.442	1.341	1.171	1.210	1.057	.987	.922	.820	.778	.784	.714	.624	4.403	21.528
TOTL	3.971	2.332	3.423	3.877	4.101	3.906	3.518	3.326	2.762	2.419	2.114	1.776	1.597	1.442	1.232	1.062	6.117	48.975

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> OVEN-DRY TOTAL DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP-->	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SPECIES								
SP	.281	3.406	.185	3.872	.302	3.654	.198	4.154
RS	.107	1.739	.167	2.013	.115	1.866	.180	2.161
WS	.219	4.062	.260	4.541	.236	4.361	.280	4.877
BF	1.608	12.756	.133	14.497	1.727	13.695	.142	15.564
WP	.003	.159	.157	.319	.003	.170	.169	.342
JP	.002	.077	.002	.081	.002	.083	.002	.087
PP	.001	.017	.007	.025	.001	.017	.007	.025
EC	.106	1.612	.196	1.914	.113	1.731	.211	2.055
EH	.002	.058	.009	.069	.002	.059	.010	.071
TL	.003	.111	.002	.116	.003	.118	.002	.123
RM	.291	2.021	.059	2.371	.312	2.171	.063	2.546
SM	.424	4.862	1.924	7.210	.455	5.218	2.066	7.739
YB	.198	3.098	.931	4.227	.211	3.327	.999	4.537
WB	.337	2.257	.063	2.657	.361	2.423	.068	2.852
A	.116	1.655	.060	1.831	.124	1.775	.064	1.963
BE	.172	2.150	.371	2.693	.185	2.308	.398	2.891
ASH	.029	.222	.002	.253	.031	.238	.002	.271
I	.010	.031	.000	.041	.010	.033	.000	.043
ELM	.004	.013	.000	.017	.004	.013	.000	.017
OHW	.058	.162	.008	.228	.061	.171	.008	.240
T SF	2.215	21.963	.745	24.923	2.380	23.576	.800	26.756
T SW	2.332	23.997	1.118	27.447	2.504	25.754	1.201	29.459
T HW	1.639	16.471	3.418	21.528	1.754	17.677	3.668	23.099
TOTL	3.971	40.468	4.536	46.975	4.258	43.431	4.869	52.558

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH STEM WOOD DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.265	.150	.310	.361	.400	.402	.403	.366	.315	.287	.255	.187	.175	.143	.127	.116	.488	4.750
RS	.123	.085	.127	.179	.205	.228	.233	.229	.212	.189	.172	.163	.123	.112	.087	.085	.382	2.934
WS	.212	.198	.273	.375	.424	.468	.482	.501	.401	.364	.346	.271	.272	.220	.180	.161	.491	5.639
BF	1.923	1.104	1.923	2.317	2.405	2.206	1.912	1.623	1.270	.999	.740	.575	.441	.333	.234	.156	.374	20.535
WP	.004	.006	.003	.008	.008	.009	.017	.010	.015	.010	.017	.020	.016	.014	.024	.020	.361	.564
JP	.002	.003	.006	.008	.012	.012	.015	.019	.014	.013	.007	.005	.003	.004	.004	.001	.003	.131
RP	.001	.001	.001	.000	.000	.003	.002	.001	.001	.002	.001	.003	.004	.001	.001	.001	.019	.042
EC	.117	.087	.122	.143	.147	.181	.188	.202	.175	.172	.164	.151	.152	.129	.099	.103	.483	2.815
EH	.002	.002	.003	.003	.003	.005	.004	.007	.004	.006	.004	.006	.004	.006	.005	.004	.032	.100
TL	.005	.005	.012	.013	.015	.021	.021	.020	.020	.011	.011	.010	.005	.004	.003	.001	.003	.180
RM	.349	.201	.271	.272	.313	.249	.206	.199	.183	.141	.116	.095	.068	.068	.061	.036	.120	2.948
SM	.506	.323	.406	.394	.484	.442	.381	.475	.372	.350	.347	.337	.310	.319	.352	.290	2.951	9.039
YB	.243	.117	.175	.199	.236	.232	.207	.231	.242	.265	.262	.234	.241	.293	.229	.222	1.459	5.084
WB	.411	.249	.365	.363	.360	.334	.269	.199	.176	.127	.128	.091	.082	.060	.043	.038	.138	3.433
A	.147	.129	.171	.186	.169	.202	.210	.208	.158	.152	.136	.096	.114	.076	.075	.050	.151	2.430
BE	.216	.176	.142	.155	.200	.196	.168	.184	.183	.193	.155	.167	.159	.161	.132	.137	.678	3.396
ASH	.032	.024	.026	.048	.027	.020	.028	.023	.014	.007	.010	.007	.004	.003	.000	.008	.004	.285
I	.010	.008	.009	.004	.003	.003	.002	.002	.000	.000	.001	.001	.000	.000	.000	.000	.000	.043
ELM	.004	.007	.003	.001	.000	.000	.001	.000	.000	.001	.000	.000	.001	.000	.000	.000	.000	.018
OHW	.071	.042	.043	.039	.022	.017	.013	.008	.010	.008	.007	.005	.003	.001	.005	.001	.011	.306
T SF	2.523	1.537	2.633	3.232	3.434	3.304	3.030	2.719	2.198	1.839	1.513	1.196	1.011	.808	.628	.518	1.735	33.858
T SW	2.654	1.643	2.780	3.407	3.619	3.535	3.277	2.978	2.427	2.053	1.717	1.391	1.195	.966	.764	.648	2.636	37.690
T HW	1.986	1.270	1.611	1.661	1.814	1.695	1.485	1.529	1.338	1.244	1.162	1.033	.982	.981	.897	.782	5.512	26.982
TOTL	4.640	2.913	4.391	5.068	5.433	5.230	4.762	4.507	3.765	3.297	2.879	2.424	2.177	1.947	1.661	1.430	8.148	64.672

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH STEM WOOD DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.248	.140	.289	.336	.373	.374	.375	.341	.293	.267	.238	.174	.163	.133	.118	.108	.455	4.425
RS	.114	.079	.118	.167	.191	.212	.217	.213	.197	.176	.160	.152	.115	.104	.081	.079	.355	2.730
WS	.196	.184	.254	.349	.395	.436	.449	.467	.374	.339	.322	.252	.253	.205	.168	.150	.457	5.252
BF	1.791	1.626	1.791	2.158	2.240	2.055	1.781	1.512	1.183	.931	.689	.536	.411	.310	.218	.145	.349	19.128
WP	.004	.007	.003	.007	.007	.008	.016	.009	.014	.009	.016	.019	.015	.013	.022	.019	.337	.525
JP	.002	.003	.006	.007	.011	.011	.014	.018	.013	.012	.007	.005	.003	.004	.004	.001	.003	.124
RP	.031	.001	.001	.000	.000	.003	.002	.001	.001	.002	.001	.003	.004	.001	.001	.001	.018	.041
EC	.109	.081	.114	.133	.137	.169	.175	.186	.163	.160	.153	.141	.142	.120	.092	.096	.450	2.623
EH	.003	.002	.003	.003	.003	.005	.004	.007	.004	.006	.004	.006	.004	.006	.005	.004	.030	.098
TL	.005	.005	.011	.012	.014	.020	.020	.019	.019	.010	.010	.009	.005	.004	.003	.001	.003	.170
RM	.324	.187	.252	.253	.292	.232	.192	.185	.170	.131	.108	.089	.063	.063	.057	.034	.112	2.744
SM	.472	.301	.378	.367	.451	.412	.355	.442	.347	.326	.323	.314	.289	.297	.328	.270	2.749	8.421
YB	.224	.109	.163	.185	.220	.216	.193	.215	.225	.247	.244	.218	.225	.273	.213	.207	1.360	4.737
WB	.383	.232	.340	.338	.335	.311	.251	.185	.164	.118	.119	.085	.076	.056	.040	.035	.129	3.197
A	.139	.120	.159	.173	.157	.188	.196	.194	.147	.142	.127	.089	.106	.071	.070	.047	.140	2.264
BE	.201	.156	.132	.144	.186	.183	.157	.171	.170	.180	.144	.156	.148	.150	.123	.128	.631	3.162
ASH	.030	.022	.024	.045	.025	.019	.026	.021	.013	.007	.009	.007	.004	.003	.000	.007	.004	.266
I	.010	.007	.008	.004	.003	.003	.002	.002	.000	.000	.001	.001	.000	.000	.000	.000	.000	.041
ELM	.004	.007	.003	.001	.000	.000	.001	.000	.000	.001	.000	.000	.001	.000	.000	.000	.000	.018
OHW	.066	.039	.040	.036	.021	.016	.012	.007	.009	.007	.007	.005	.003	.001	.005	.001	.011	.286
T SF	2.351	1.431	2.452	3.010	3.199	3.077	2.822	2.533	2.047	1.713	1.409	1.114	.942	.752	.585	.482	1.616	31.535
T SW	2.474	1.533	2.590	3.172	3.371	3.293	3.053	2.775	2.261	1.912	1.600	1.297	1.115	.900	.712	.604	2.457	35.116
T HW	1.852	1.182	1.499	1.546	1.690	1.580	1.385	1.422	1.245	1.159	1.082	.964	.915	.914	.836	.729	5.136	25.136
TOTL	4.326	2.712	4.089	4.718	5.061	4.873	4.438	4.197	3.506	3.071	2.682	2.261	2.030	1.814	1.548	1.333	7.593	60.252

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH STEM WOOD DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SP	.248	3.937	.240	4.425	.265	4.228	.257	4.750
RS	.114	2.364	.252	2.730	.123	2.540	.271	2.934
WS	.198	4.717	.337	5.252	.212	5.065	.362	5.639
BF	1.791	17.144	.193	19.128	1.923	18.405	.207	20.535
WP	.004	.255	.266	.525	.004	.275	.285	.564
JP	.002	.120	.002	.124	.002	.127	.002	.131
RP	.001	.028	.012	.041	.001	.028	.013	.042
EC	.109	2.214	.300	2.623	.117	2.376	.322	2.815
EH	.002	.081	.015	.098	.002	.082	.016	.100
TL	.005	.163	.002	.170	.005	.173	.002	.180
RM	.324	2.351	.069	2.744	.349	2.525	.074	2.948
SM	.472	5.665	2.284	8.421	.506	6.081	2.452	9.039
YB	.224	3.480	1.033	4.737	.240	3.736	1.108	5.084
WB	.383	2.733	.081	3.197	.411	2.935	.087	3.433
A	.138	2.051	.075	2.264	.147	2.202	.081	2.430
BE	.201	2.528	.433	3.162	.216	2.715	.465	3.396
ASH	.030	.234	.002	.266	.032	.251	.002	.285
I	.010	.031	.000	.041	.010	.033	.000	.043
ELM	.004	.014	.000	.018	.004	.014	.000	.018
OHW	.066	.210	.010	.286	.071	.225	.010	.306
T SF	2.351	28.162	1.022	31.535	2.523	30.238	1.097	33.858
T SW	2.474	31.023	1.619	35.116	2.654	33.299	1.737	37.690
T HW	1.852	19.297	3.987	25.136	1.986	20.717	4.279	26.982
TOTL	4.326	50.320	5.606	60.252	4.640	54.016	6.016	64.672

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH STEM BARK DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.053	.026	.051	.057	.060	.059	.057	.050	.042	.037	.033	.023	.021	.017	.015	.014	.054	.669
RS	.023	.014	.020	.027	.029	.031	.031	.029	.026	.023	.020	.019	.014	.012	.009	.009	.040	.376
WS	.041	.034	.045	.059	.064	.068	.068	.069	.054	.048	.044	.034	.033	.027	.021	.019	.055	.783
BF	.390	.207	.351	.412	.419	.377	.322	.269	.208	.161	.118	.091	.069	.051	.036	.024	.056	3.561
WP	.000	.001	.000	.001	.001	.001	.002	.001	.001	.001	.002	.002	.002	.001	.002	.002	.033	.054
JP	.003	.000	.001	.001	.001	.001	.001	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000	.010
RP	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001
EC	.019	.013	.019	.022	.022	.027	.028	.030	.026	.025	.024	.022	.022	.018	.014	.015	.068	.414
EH	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.004	.018
TL	.001	.001	.002	.002	.002	.003	.003	.002	.002	.001	.001	.001	.001	.000	.000	.000	.000	.022
BW	.077	.038	.049	.048	.053	.041	.033	.031	.027	.021	.017	.013	.009	.009	.008	.005	.015	.494
SW	.098	.055	.066	.062	.074	.065	.055	.067	.051	.047	.046	.044	.040	.041	.044	.036	.352	1.243
YB	.038	.017	.026	.028	.033	.032	.028	.031	.032	.035	.034	.030	.031	.037	.029	.028	.179	.668
WB	.087	.047	.066	.063	.060	.054	.043	.031	.027	.019	.019	.013	.012	.008	.006	.005	.018	.578
A	.043	.035	.044	.046	.040	.047	.048	.046	.034	.032	.028	.020	.023	.015	.015	.010	.029	.555
BE	.023	.016	.013	.013	.017	.016	.013	.014	.014	.015	.012	.012	.012	.012	.009	.010	.047	.268
ASH	.006	.004	.008	.008	.004	.003	.004	.003	.002	.001	.001	.001	.000	.000	.000	.001	.000	.042
I	.003	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.008
ELM	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
OHW	.013	.007	.006	.006	.003	.002	.002	.001	.001	.001	.001	.001	.000	.000	.001	.000	.001	.046
T SF	.507	.281	.467	.555	.572	.535	.478	.417	.330	.269	.215	.167	.137	.107	.081	.066	.205	5.389
T SW	.527	.296	.490	.582	.599	.568	.513	.453	.362	.298	.244	.193	.163	.127	.098	.084	.311	5.908
T HW	.288	.221	.275	.275	.285	.261	.226	.224	.168	.171	.158	.134	.127	.122	.112	.095	.641	3.903
TOTL	.915	.517	.765	.857	.884	.829	.739	.677	.550	.469	.402	.327	.290	.249	.210	.179	.952	9.811

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH STEM BARK DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.050	.024	.048	.053	.056	.055	.053	.047	.039	.034	.031	.021	.020	.016	.014	.013	.051	.625
BS	.021	.013	.019	.025	.027	.029	.029	.027	.024	.021	.019	.018	.013	.011	.008	.008	.038	.350
WS	.039	.032	.042	.055	.060	.063	.063	.064	.060	.045	.041	.032	.031	.025	.020	.018	.051	.730
BF	.363	.193	.327	.384	.390	.351	.300	.251	.194	.150	.110	.085	.064	.048	.034	.022	.052	3.318
WP	.000	.001	.000	.001	.001	.001	.002	.001	.002	.001	.002	.002	.002	.001	.002	.002	.032	.053
JP	.000	.000	.001	.001	.001	.001	.001	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000	.010
RP	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.001
EC	.018	.012	.018	.021	.021	.025	.026	.028	.024	.023	.022	.021	.021	.017	.013	.014	.062	.386
EH	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.004	.018
TL	.001	.001	.002	.002	.002	.003	.003	.002	.002	.001	.001	.001	.001	.000	.000	.000	.000	.022
RM	.072	.035	.046	.045	.049	.038	.031	.029	.025	.020	.016	.012	.008	.008	.007	.005	.015	.461
SM	.092	.051	.061	.058	.069	.061	.051	.062	.048	.044	.043	.041	.037	.038	.041	.034	.328	1.159
YB	.036	.016	.024	.026	.031	.030	.026	.029	.030	.033	.032	.028	.029	.034	.027	.026	.168	.625
WB	.082	.044	.061	.059	.056	.050	.043	.029	.025	.018	.018	.012	.011	.007	.006	.005	.018	.541
A	.041	.033	.041	.043	.037	.044	.045	.043	.032	.030	.026	.019	.021	.014	.014	.009	.028	.520
BE	.021	.015	.012	.012	.016	.015	.012	.013	.013	.014	.011	.011	.011	.011	.008	.009	.044	.248
ASH	.006	.004	.004	.007	.004	.003	.004	.003	.002	.001	.001	.001	.000	.000	.000	.001	.000	.041
I	.000	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.008
ELM	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001
OHW	.013	.007	.006	.006	.003	.002	.002	.001	.001	.001	.001	.001	.000	.000	.001	.000	.001	.046
T SF	.472	.262	.436	.517	.533	.498	.445	.389	.307	.250	.201	.156	.128	.100	.076	.061	.192	5.023
T SW	.491	.276	.458	.543	.559	.529	.478	.423	.337	.277	.228	.181	.153	.119	.092	.078	.291	5.513
T HW	.366	.207	.256	.257	.266	.244	.211	.209	.176	.161	.148	.125	.117	.112	.104	.089	.602	3.650
TOTL	.957	.483	.714	.800	.825	.773	.689	.632	.513	.438	.376	.306	.270	.231	.196	.167	.893	9.163

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH STEM BARK DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SP	.050	.548	.027	.625	.053	.588	.028	.669
RS	.021	.302	.027	.350	.023	.325	.028	.376
WS	.038	.655	.037	.730	.041	.702	.040	.783
BF	.363	2.926	.029	3.318	.390	3.140	.031	3.561
WP	.000	.028	.025	.053	.000	.028	.026	.054
JP	.200	.010	.000	.210	.000	.010	.000	.010
RP	.000	.000	.001	.001	.000	.000	.001	.001
EC	.018	.327	.041	.386	.019	.350	.045	.414
EH	.000	.016	.002	.018	.000	.016	.002	.018
TL	.001	.021	.000	.022	.001	.021	.000	.022
RM	.372	.380	.009	.461	.077	.408	.009	.494
SM	.092	.796	.271	1.159	.098	.854	.291	1.243
YB	.036	.462	.127	.625	.038	.495	.135	.668
WB	.082	.448	.011	.541	.087	.480	.011	.578
A	.041	.464	.015	.520	.043	.497	.015	.555
BE	.021	.197	.030	.248	.023	.213	.032	.268
ASH	.006	.035	.000	.041	.006	.036	.000	.042
I	.003	.005	.000	.008	.003	.005	.000	.008
ELM	.000	.001	.000	.001	.000	.001	.000	.001
OHW	.013	.032	.001	.046	.013	.032	.001	.046
T SF	.472	4.431	.120	5.023	.507	4.755	.127	5.389
T SW	.491	4.833	.189	5.513	.527	5.180	.201	5.908
T HW	.366	2.820	.464	3.650	.388	3.021	.494	3.903
TOTL	.857	7.653	.653	9.163	.915	8.201	.695	9.811

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH STEM DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.318	.176	.361	.417	.461	.461	.459	.416	.358	.324	.287	.211	.196	.160	.142	.130	.541	5.418
RS	.148	.099	.147	.206	.234	.259	.264	.256	.239	.212	.192	.181	.137	.124	.096	.094	.421	3.311
WS	.253	.232	.317	.434	.488	.536	.550	.570	.455	.411	.391	.305	.305	.247	.201	.179	.547	6.421
BF	2.312	1.311	2.274	2.729	2.824	2.583	2.233	1.891	1.478	1.160	.858	.666	.510	.384	.270	.180	.430	24.093
WP	.004	.009	.003	.009	.009	.011	.019	.011	.017	.012	.019	.022	.017	.016	.026	.022	.395	.621
JP	.002	.003	.006	.009	.014	.013	.016	.021	.015	.014	.008	.005	.009	.004	.004	.001	.003	.142
RP	.002	.001	.001	.000	.000	.003	.002	.001	.001	.002	.001	.004	.005	.001	.001	.001	.021	.047
EC	.137	.130	.140	.165	.170	.208	.216	.232	.200	.197	.188	.173	.174	.148	.113	.117	.551	3.229
EH	.003	.003	.004	.004	.004	.006	.005	.007	.005	.007	.005	.007	.005	.007	.006	.004	.037	.119
TL	.005	.006	.014	.014	.017	.024	.024	.022	.023	.012	.012	.011	.005	.004	.003	.001	.003	.200
RM	.425	.239	.321	.320	.366	.290	.238	.231	.210	.162	.133	.109	.077	.078	.070	.041	.135	3.444
SM	.603	.378	.472	.456	.557	.507	.436	.542	.423	.397	.393	.381	.350	.360	.396	.326	3.303	10.280
YB	.279	.134	.200	.227	.269	.264	.235	.262	.274	.300	.296	.264	.271	.330	.258	.249	1.637	5.748
WB	.498	.297	.431	.426	.420	.388	.312	.230	.202	.146	.147	.104	.094	.069	.049	.043	.156	4.012
A	.191	.164	.215	.231	.209	.248	.257	.254	.193	.185	.164	.116	.138	.091	.090	.060	.180	2.986
BE	.239	.185	.154	.168	.217	.211	.181	.198	.197	.207	.166	.180	.171	.173	.141	.146	.725	3.659
ASH	.039	.029	.030	.056	.031	.023	.032	.026	.016	.008	.012	.008	.004	.003	.000	.009	.004	.330
I	.012	.016	.011	.005	.004	.004	.002	.002	.000	.000	.001	.001	.000	.000	.000	.000	.000	.052
ELM	.005	.008	.004	.001	.000	.000	.001	.000	.000	.001	.000	.000	.002	.000	.000	.000	.000	.022
OHW	.084	.049	.049	.045	.025	.020	.014	.009	.011	.009	.007	.006	.003	.001	.006	.001	.014	.353
T SF	3.031	1.618	3.099	3.786	4.007	3.839	3.506	3.135	2.530	2.107	1.728	1.363	1.148	.915	.709	.583	1.939	39.243
T SW	3.184	1.940	3.267	3.987	4.221	4.104	3.788	3.429	2.791	2.351	1.961	1.585	1.358	1.095	.862	.729	2.949	43.601
T HW	2.374	1.493	1.887	1.935	2.098	1.955	1.708	1.753	1.526	1.415	1.319	1.169	1.110	1.105	1.010	.875	6.154	30.886
TOTL	5.559	3.433	5.154	5.922	6.319	6.059	5.496	5.182	4.317	3.766	3.280	2.754	2.468	2.200	1.872	1.604	9.103	74.487

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH STEM DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.297	.164	.336	.388	.429	.429	.428	.388	.333	.302	.267	.197	.183	.149	.132	.121	.504	5.047
RS	.138	.092	.137	.192	.218	.241	.246	.240	.223	.197	.179	.169	.128	.116	.089	.088	.393	3.086
WS	.235	.216	.295	.404	.455	.499	.512	.531	.424	.383	.364	.284	.284	.230	.187	.167	.509	5.979
BF	2.153	1.221	2.118	2.542	2.631	2.406	2.080	1.761	1.377	1.081	.799	.620	.475	.358	.252	.168	.400	22.442
WP	.064	.038	.053	.008	.008	.010	.018	.016	.016	.011	.018	.021	.016	.015	.024	.021	.368	.579
JP	.062	.033	.006	.008	.013	.012	.015	.020	.014	.013	.007	.005	.009	.004	.004	.001	.003	.134
RP	.002	.001	.001	.000	.000	.003	.002	.001	.001	.002	.001	.004	.005	.001	.001	.001	.020	.046
EC	.128	.093	.130	.154	.158	.194	.201	.216	.186	.184	.175	.161	.162	.138	.105	.109	.513	3.007
EH	.033	.033	.004	.004	.004	.006	.005	.007	.005	.007	.005	.007	.005	.007	.006	.004	.035	.117
YL	.005	.006	.013	.013	.016	.022	.022	.021	.021	.011	.011	.010	.005	.004	.003	.001	.003	.187
RM	.395	.223	.299	.298	.341	.270	.222	.214	.196	.151	.124	.102	.072	.073	.065	.038	.126	3.209
SM	.562	.352	.440	.425	.519	.472	.406	.505	.394	.370	.366	.355	.326	.335	.369	.304	3.078	9.578
YB	.259	.125	.186	.211	.251	.246	.219	.244	.255	.279	.276	.246	.252	.307	.240	.232	1.524	5.352
WB	.464	.277	.401	.397	.391	.361	.291	.214	.188	.136	.137	.097	.088	.064	.046	.040	.146	3.738
A	.179	.153	.200	.215	.195	.231	.239	.237	.180	.172	.153	.108	.129	.085	.084	.056	.167	2.782
BE	.222	.172	.143	.157	.202	.197	.169	.184	.184	.193	.155	.168	.159	.161	.131	.136	.675	3.408
ASH	.037	.027	.028	.052	.029	.021	.030	.024	.015	.007	.011	.007	.004	.003	.000	.008	.004	.307
I	.012	.009	.010	.005	.004	.004	.002	.002	.000	.000	.001	.001	.000	.000	.000	.000	.000	.050
ELM	.005	.007	.004	.001	.000	.000	.001	.000	.000	.001	.000	.000	.002	.000	.000	.000	.000	.021
OHW	.079	.046	.046	.042	.023	.019	.013	.008	.010	.008	.007	.006	.003	.001	.006	.001	.014	.332
T SF	2.823	1.693	2.886	3.526	3.733	3.575	3.266	2.920	2.357	1.963	1.609	1.270	1.070	.853	.660	.549	1.806	36.559
T SW	2.967	1.807	3.043	3.713	3.932	3.822	3.529	3.195	2.600	2.191	1.826	1.478	1.267	1.022	.803	.681	2.748	40.624
T HW	2.213	1.391	1.757	1.803	1.955	1.821	1.592	1.632	1.422	1.317	1.230	1.090	1.035	1.029	.941	.815	5.734	28.777
TOTL	5.181	3.196	4.800	5.516	5.867	5.643	5.121	4.827	4.022	3.508	3.056	2.568	2.302	2.051	1.744	1.496	8.482	69.401

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073520. HA

BIOMASS COMPONENT--> FRESH STEM DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SP	.297	4.485	.265	5.047	.318	4.816	.284	5.418
RS	.138	2.670	.278	3.086	.148	2.865	.298	3.311
WS	.235	5.369	.375	5.979	.253	5.765	.403	6.421
BF	2.153	20.068	.221	22.442	2.312	21.543	.238	24.093
WP	.004	.285	.290	.579	.004	.306	.311	.621
JP	.002	.130	.002	.134	.002	.138	.002	.142
PP	.002	.031	.013	.046	.002	.031	.014	.047
EC	.128	2.537	.342	3.007	.137	2.725	.367	3.229
EH	.003	.096	.018	.117	.003	.097	.019	.119
TL	.005	.180	.002	.187	.005	.193	.002	.200
RM	.395	2.736	.078	3.209	.425	2.936	.083	3.444
SM	.562	6.460	2.556	9.578	.603	6.934	2.743	10.280
YB	.259	3.936	1.157	5.352	.278	4.227	1.243	5.748
WB	.464	3.182	.092	3.738	.498	3.416	.098	4.012
A	.178	2.515	.089	2.782	.191	2.699	.096	2.986
BE	.222	2.723	.463	3.408	.239	2.923	.497	3.659
ASH	.037	.268	.002	.307	.039	.289	.002	.330
I	.012	.036	.002	.050	.012	.040	.000	.052
ELM	.005	.016	.000	.021	.005	.017	.000	.022
OHW	.079	.240	.013	.332	.084	.256	.013	.353
T SF	2.623	32.592	1.139	36.554	3.031	34.989	1.223	39.243
T SW	2.967	35.851	1.806	40.624	3.184	38.479	1.938	43.601
T HW	2.213	22.114	4.45[illegible]	28.777	2.374	23.737	4.775	30.886
TOTL	5.180	57.965	6.256	69.401	5.558	62.216	6.713	74.487

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH CROWN DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.293	.128	.238	.255	.263	.247	.233	.201	.165	.144	.122	.087	.078	.062	.053	.047	.186	2.802
RS	.112	.062	.085	.112	.120	.127	.123	.116	.103	.088	.078	.071	.052	.046	.035	.033	.141	1.504
WS	.227	.169	.210	.265	.278	.288	.279	.275	.210	.182	.166	.125	.121	.095	.075	.065	.186	3.216
BF	1.650	.723	1.139	1.260	1.215	1.045	.854	.688	.513	.386	.275	.205	.152	.111	.076	.049	.110	10.451
WP	.002	.003	.001	.003	.002	.002	.004	.002	.003	.002	.003	.003	.003	.002	.004	.003	.044	.086
JP	.000	.001	.002	.003	.004	.004	.004	.005	.004	.003	.002	.001	.001	.001	.001	.000	.000	.036
RP	.000	.000	.000	.000	.000	.001	.001	.000	.000	.001	.000	.001	.001	.000	.000	.000	.005	.010
EC	.074	.039	.048	.052	.049	.055	.054	.054	.044	.041	.038	.033	.032	.026	.019	.019	.084	.761
EH	.001	.001	.002	.002	.001	.002	.002	.001	.002	.001	.002	.001	.001	.001	.001	.000	.000	.030
TL	.001	.002	.003	.003	.004	.005	.005	.004	.004	.002	.002	.002	.001	.001	.000	.000	.000	.039
RM	.119	.068	.092	.092	.105	.084	.069	.067	.061	.047	.039	.032	.023	.023	.020	.012	.040	.993
SM	.154	.089	.108	.101	.121	.108	.091	.112	.086	.080	.078	.075	.068	.069	.075	.061	.608	2.084
YB	.108	.048	.070	.077	.089	.085	.075	.082	.084	.091	.088	.078	.079	.095	.074	.071	.453	1.747
WB	.139	.079	.113	.110	.107	.098	.078	.057	.049	.035	.035	.025	.022	.016	.011	.010	.036	1.020
A	.052	.043	.056	.060	.054	.064	.065	.064	.049	.046	.041	.029	.034	.022	.022	.015	.044	.760
BE	.093	.069	.057	.061	.078	.075	.063	.069	.068	.071	.057	.061	.057	.058	.047	.048	.236	1.268
ASH	.013	.008	.008	.014	.008	.006	.007	.006	.003	.002	.002	.002	.001	.001	.000	.002	.000	.083
I	.005	.003	.003	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.014
ELM	.001	.002	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
OHW	.022	.011	.010	.009	.005	.004	.003	.002	.002	.002	.001	.001	.001	.000	.001	.000	.002	.076
T SF	2.262	1.082	1.672	1.892	1.876	1.707	1.489	1.280	.991	.800	.641	.488	.403	.314	.239	.194	.623	17.973
T SW	2.361	1.128	1.728	1.955	1.936	1.776	1.558	1.347	1.047	.851	.687	.530	.442	.345	.264	.217	.764	18.935
T HW	.726	.420	.518	.525	.568	.525	.451	.459	.402	.374	.341	.303	.285	.284	.250	.219	1.419	8.049
TOTL	3.766	1.548	2.246	2.480	2.504	2.301	2.009	1.806	1.449	1.225	1.028	.833	.727	.629	.514	.436	2.183	26.984

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH CROWN DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.273	.119	.222	.238	.245	.230	.217	.187	.154	.134	.114	.081	.073	.058	.049	.044	.174	2.612
RS	.104	.058	.079	.104	.112	.118	.115	.108	.096	.082	.073	.066	.048	.043	.033	.031	.132	1.402
MS	.211	.157	.196	.247	.259	.268	.260	.256	.196	.170	.155	.116	.113	.089	.070	.061	.173	2.997
BF	1.536	.673	1.061	1.174	1.132	.973	.796	.641	.478	.360	.256	.191	.142	.103	.071	.046	.103	9.736
WP	.002	.003	.001	.003	.002	.002	.004	.002	.003	.002	.003	.003	.003	.002	.004	.003	.041	.083
JP	.000	.001	.002	.003	.004	.004	.004	.005	.004	.003	.002	.001	.001	.001	.001	.000	.000	.036
PP	.000	.000	.000	.000	.000	.001	.001	.000	.000	.001	.000	.001	.001	.000	.000	.000	.005	.010
EC	.069	.036	.045	.048	.046	.051	.050	.050	.041	.038	.035	.031	.030	.024	.018	.018	.078	.708
EH	.001	.001	.002	.002	.001	.002	.001	.002	.001	.002	.001	.002	.001	.001	.001	.001	.008	.030
TL	.001	.002	.003	.003	.004	.005	.005	.004	.004	.002	.002	.002	.001	.001	.000	.000	.000	.039
RM	.112	.063	.086	.086	.098	.078	.064	.062	.057	.044	.036	.030	.021	.021	.019	.011	.038	.926
SM	.144	.083	.101	.094	.113	.101	.085	.104	.080	.075	.073	.070	.063	.064	.070	.057	.566	1.943
YB	.101	.045	.065	.072	.083	.079	.070	.076	.078	.085	.082	.073	.074	.089	.069	.066	.422	1.629
WB	.129	.074	.105	.102	.100	.091	.073	.053	.046	.033	.033	.023	.021	.015	.010	.009	.033	.950
A	.048	.040	.052	.056	.050	.060	.061	.060	.046	.043	.038	.027	.032	.021	.021	.014	.042	.711
BE	.087	.064	.053	.057	.073	.070	.059	.064	.063	.066	.053	.057	.053	.054	.044	.045	.220	1.182
ASH	.013	.007	.007	.013	.007	.006	.007	.006	.003	.002	.002	.002	.001	.001	.000	.002	.000	.079
I	.005	.003	.003	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.014
ELM	.001	.002	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004
OHW	.022	.010	.009	.008	.005	.004	.003	.002	.002	.002	.001	.001	.001	.000	.001	.000	.002	.073
T SF	2.124	1.077	1.558	1.763	1.748	1.589	1.388	1.192	.924	.746	.598	.454	.376	.293	.223	.182	.582	16.747
T SW	2.197	1.150	1.611	1.822	1.805	1.654	1.453	1.255	.977	.794	.641	.494	.413	.322	.247	.204	.714	17.653
T HW	.662	.391	.482	.489	.530	.493	.422	.427	.375	.350	.318	.283	.266	.265	.234	.204	1.323	7.511
TOTL	2.859	1.441	2.093	2.311	2.335	2.144	1.875	1.682	1.352	1.144	.959	.777	.679	.587	.481	.408	2.037	25.164

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH CROWN DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP--> SPECIES	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SP	.273	2.250	.089	2.612	.293	2.414	.095	2.802
RS	.104	1.206	.092	1.402	.112	1.294	.098	1.504
WS	.211	2.661	.125	2.997	.227	2.854	.135	3.216
BF	1.536	8.145	.055	9.736	1.650	8.742	.059	10.451
WP	.002	.049	.032	.083	.002	.050	.034	.086
JP	.000	.036	.000	.036	.000	.036	.000	.036
RP	.000	.007	.003	.010	.000	.007	.003	.010
EC	.069	.588	.051	.708	.074	.632	.055	.761
EH	.001	.025	.004	.030	.001	.025	.004	.030
TL	.001	.038	.000	.039	.001	.038	.000	.039
RM	.112	.790	.024	.926	.119	.849	.025	.993
SM	.144	1.331	.468	1.943	.154	1.427	.503	2.084
YB	.101	1.209	.319	1.629	.108	1.297	.342	1.747
WB	.129	.800	.021	.950	.139	.858	.023	1.020
A	.048	.640	.023	.711	.052	.684	.024	.760
BE	.087	.945	.150	1.182	.093	1.014	.161	1.268
ASH	.013	.066	.000	.079	.013	.070	.000	.083
I	.005	.009	.000	.014	.005	.009	.000	.014
ELM	.001	.003	.000	.004	.001	.003	.000	.004
OHW	.022	.049	.002	.073	.022	.052	.002	.076
T SF	2.124	14.262	.361	16.747	2.282	15.304	.387	17.973
T SW	2.197	15.005	.451	17.653	2.360	16.092	.483	18.935
T HW	.662	5.842	1.007	7.511	.706	6.263	1.080	8.049
TOTL	2.859	20.847	1.458	25.164	3.066	22.355	1.563	26.984

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH TOTAL DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN MILLION TONNES

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.611	.304	.599	.672	.723	.708	.693	.618	.523	.468	.410	.298	.275	.221	.195	.177	.728	8.223
RS	.261	.161	.232	.317	.354	.386	.387	.374	.342	.300	.269	.253	.190	.170	.131	.128	.562	4.817
WS	.479	.401	.527	.698	.766	.824	.829	.846	.665	.593	.557	.431	.427	.342	.277	.245	.732	9.639
BF	3.961	2.034	3.413	3.990	4.040	3.628	3.087	2.579	1.991	1.546	1.132	.871	.662	.495	.345	.229	.540	34.543
WP	.007	.013	.004	.011	.012	.013	.023	.014	.020	.014	.022	.025	.020	.018	.030	.025	.438	.709
JP	.002	.004	.008	.011	.017	.017	.021	.026	.019	.017	.010	.006	.005	.005	.005	.002	.003	.178
BP	.002	.002	.001	.000	.000	.004	.003	.001	.001	.003	.001	.005	.006	.001	.001	.001	.025	.057
EC	.210	.139	.189	.216	.218	.264	.270	.286	.245	.238	.226	.206	.206	.174	.133	.137	.634	3.991
EH	.005	.004	.006	.006	.005	.008	.006	.010	.006	.009	.006	.009	.006	.008	.007	.005	.044	.150
TL	.006	.008	.017	.017	.021	.028	.029	.026	.027	.014	.014	.013	.006	.005	.003	.001	.003	.238
RM	.545	.327	.412	.412	.472	.373	.307	.297	.271	.209	.172	.140	.100	.100	.090	.053	.175	4.435
SM	.757	.466	.579	.557	.678	.615	.527	.653	.509	.477	.471	.456	.418	.429	.472	.388	3.910	12.362
YB	.385	.182	.270	.304	.357	.349	.309	.344	.359	.391	.384	.342	.351	.425	.332	.320	2.090	7.494
WB	.636	.375	.544	.535	.527	.486	.389	.287	.252	.182	.182	.129	.116	.085	.060	.053	.191	5.029
A	.243	.207	.272	.291	.263	.312	.323	.318	.241	.231	.205	.145	.172	.113	.112	.074	.224	3.746
BE	.332	.254	.211	.228	.294	.286	.245	.267	.265	.278	.223	.240	.228	.231	.188	.194	.962	4.926
ASH	.051	.037	.039	.070	.039	.029	.039	.032	.019	.009	.014	.009	.005	.004	.000	.011	.005	.412
I	.017	.012	.013	.006	.005	.005	.002	.002	.000	.000	.001	.001	.000	.000	.000	.000	.000	.064
ELM	.006	.010	.004	.001	.000	.000	.002	.000	.000	.001	.000	.000	.002	.000	.000	.000	.000	.026
OHW	.106	.059	.060	.054	.030	.023	.017	.011	.013	.011	.009	.007	.004	.001	.007	.001	.016	.429
T SF	5.312	2.990	4.771	5.677	5.883	5.546	4.996	4.417	3.521	2.907	2.368	1.853	1.554	1.228	.948	.779	2.562	57.222
T SW	5.544	3.176	4.996	5.938	6.156	5.880	5.348	4.780	3.839	3.292	2.647	2.117	1.803	1.439	1.127	.950	3.709	62.545
T HW	3.074	1.909	2.404	2.458	2.665	2.478	2.160	2.211	1.929	1.789	1.661	1.469	1.396	1.388	1.261	1.094	7.573	38.923
TOTL	8.622	4.979	7.400	8.396	8.821	8.358	7.508	6.991	5.768	4.991	4.308	3.586	3.199	2.827	2.388	2.044	11.282	101.468

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1073528. HA

BIOMASS COMPONENT--> FRESH TOTAL DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

BIOMASS IN TONNES PER HECTARE

DBH--> SPECIES	2-8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40+	TOTAL
SP	.577	.283	.558	.626	.673	.660	.646	.576	.487	.436	.382	.278	.256	.206	.182	.165	.678	7.662
RS	.243	.150	.216	.295	.330	.360	.361	.348	.319	.279	.251	.236	.177	.158	.122	.119	.523	4.487
WS	.446	.374	.491	.650	.714	.768	.772	.788	.619	.552	.519	.401	.398	.319	.258	.228	.682	8.979
BF	3.691	1.895	3.179	3.717	3.763	3.380	2.876	2.402	1.855	1.440	1.054	.811	.617	.461	.321	.213	.503	32.178
WP	.007	.012	.004	.010	.011	.012	.021	.013	.019	.013	.021	.023	.019	.017	.028	.023	.408	.661
JP	.002	.004	.007	.010	.016	.016	.020	.024	.018	.016	.009	.006	.005	.005	.005	.002	.003	.168
RP	.002	.002	.001	.000	.000	.004	.003	.001	.001	.003	.001	.005	.006	.001	.001	.001	.023	.055
EC	.196	.129	.176	.201	.203	.246	.252	.266	.228	.222	.211	.192	.192	.162	.124	.128	.590	3.718
EH	.005	.004	.006	.006	.005	.007	.006	.009	.006	.008	.006	.008	.006	.007	.007	.005	.042	.143
TL	.006	.007	.016	.016	.020	.026	.027	.024	.025	.013	.013	.012	.006	.005	.003	.001	.003	.223
RM	.558	.286	.384	.384	.440	.347	.286	.277	.252	.195	.160	.130	.093	.093	.084	.049	.163	4.131
SM	.705	.434	.539	.519	.632	.573	.491	.608	.474	.444	.439	.425	.389	.400	.440	.361	3.641	11.514
YB	.358	.170	.252	.283	.333	.325	.288	.320	.334	.364	.358	.319	.327	.396	.309	.298	1.946	6.980
WB	.592	.349	.507	.498	.491	.453	.362	.267	.235	.170	.170	.120	.108	.079	.056	.049	.177	4.683
A	.227	.193	.253	.271	.245	.291	.301	.296	.225	.215	.191	.135	.160	.105	.104	.069	.209	3.490
BE	.310	.237	.197	.212	.274	.266	.228	.249	.247	.259	.208	.224	.212	.215	.175	.181	.896	4.590
ASH	.047	.034	.036	.065	.036	.027	.036	.030	.018	.008	.013	.008	.005	.004	.000	.010	.005	.382
I	.017	.011	.012	.006	.005	.005	.002	.002	.000	.000	.001	.001	.000	.000	.000	.000	.000	.062
ELM	.006	.009	.004	.001	.000	.000	.002	.000	.000	.001	.000	.000	.002	.000	.000	.000	.000	.025
OHW	.099	.055	.056	.050	.028	.021	.016	.010	.012	.010	.008	.007	.004	.001	.007	.001	.016	.401
T SF	4.950	2.702	4.444	5.288	5.480	5.168	4.655	4.114	3.280	2.707	2.206	1.726	1.448	1.144	.883	.725	2.386	53.306
T SW	5.164	2.860	4.654	5.531	5.735	5.479	4.984	4.451	3.577	2.982	2.467	1.972	1.682	1.341	1.051	.885	3.455	58.274
T HW	2.869	1.778	2.240	2.289	2.484	2.308	2.012	2.059	1.797	1.666	1.548	1.369	1.300	1.293	1.175	1.018	7.053	36.258
TOTL	8.037	4.638	6.894	7.820	8.219	7.787	6.996	6.510	5.374	4.648	4.015	3.341	2.982	2.634	2.226	1.903	10.508	94.532

BIOMASS SUMMARY FOR ----------RESOURCE REGION 5.

TOTAL SUMMARY AREA 1673528. HA

BIOMASS COMPONENT--> FRESH TOTAL DUE TO ROUNDING, PER HA VALUES*AREA MAY NOT MATCH EXACTLY WITH TOTAL VALUES

	BIOMASS IN TONNES/HA				BIOMASS IN MILLION TONNES			
DBH GROUP-->	2- 8	10-40	42-46	TOTAL	2- 8	10-40	42-46	TOTAL
SPECIES								
SP	.576	6.738	.354	7.662	.611	7.232	.380	8.223
RS	.243	3.875	.369	4.487	.261	4.159	.397	4.817
WS	.446	8.033	.500	8.979	.479	8.623	.537	9.639
BF	3.691	28.210	.277	32.178	3.961	30.285	.297	34.543
WP	.007	.334	.320	.661	.007	.358	.344	.709
JP	.002	.164	.002	.168	.002	.174	.002	.178
RP	.002	.037	.016	.055	.002	.038	.017	.057
EC	.196	3.130	.392	3.718	.210	3.360	.421	3.991
EH	.005	.117	.021	.143	.005	.123	.022	.150
TL	.006	.215	.002	.223	.006	.230	.002	.238
RM	.508	3.522	.101	4.131	.545	3.782	.108	4.435
SM	.705	7.787	3.022	11.514	.757	8.360	3.245	12.362
YB	.358	5.146	1.476	6.980	.385	5.524	1.585	7.494
WB	.592	3.980	.111	4.683	.636	4.273	.120	5.029
A	.227	3.151	.112	3.490	.243	3.383	.120	3.746
BE	.310	3.666	.614	4.590	.332	3.935	.659	4.926
ASH	.047	.332	.003	.382	.051	.358	.003	.412
I	.017	.045	.000	.062	.017	.047	.000	.064
ELM	.006	.019	.000	.025	.006	.020	.000	.026
OHW	.099	.288	.014	.401	.106	.309	.014	.429
T SF	4.950	46.856	1.500	53.306	5.312	50.299	1.611	57.222
T SW	5.168	50.853	2.253	58.274	5.544	54.582	2.419	62.545
T HW	2.869	27.936	5.453	36.258	3.078	29.991	5.854	38.923
TOTL	8.037	78.789	7.706	94.532	8.622	84.573	8.273	101.468

POOR

QUALITY

ORIGINAL